Philips Radiation Oncology Systems
Clinical Research and Advanced Development

PHILIPS

Scripting

Abstract

The Python scripting plugins embed Python in the research version of LaunchPad and Pinnacle. Python libraries are provided to edit and test Python scripts interacting with either LaunchPad or Pinnacle outside of these applications. These libraries exist for unix, linux and windows and can be used in for instance a Python script editor with debugging and or autocomplete capabilities.

Contents

1   Installation

The Python scripting plugins are part of the research Pinnacle distribution. Contact us at pros.crad@philips.com to obtain the latest distribution.

1.1   LaunchPad

To have the scripting tools in LaunchPad you will need to either get the ScriptTree running:

→ Start LaunchPad in research mode by adding a `-research` to the call to LaunchPad in the *StartPinnacle* shell script (last line).

→ Push the scripting button in the configure window (last item) in Launchpad

1.2   Windows or linux

Download and install Python version 2.7.2 from their website `python.org`. The Python modules of Pinnacle can be placed in a folder (for instance scripting) in the subdirectory `Lib\site-packages\scripting`. Within Python, the module(s) need to be loaded with either
`from scripting import *`
`from scripting import pinnacle`   or
`from scripting import launchpad` .
A list of available editors for Python can be found on: `wiki.python.org/moin/PythonEditors`. The PyScripter editor is what I use on Windows.

2   Utilization

The Python scripting tools consist of and can be used with:

→ A Python scripting interface window in Pinnacle, see Fig 1. To open the Python scripting window in either LaunchPad or Pinnacle, run as Pinnacle script command: `WindowList.PythonScripting.Create = "";` .

→ The scripttree script manager. The scripttree script manager can execute both Pinnacle and python scripts. The correct interpreter is selected based on the file extension.

→ Standalone modules that allow to edit and verify the scripts.

One can run a Python command via a Pinnacle script command if needed:
`PluginManager.ScriptingPlugin.DoPythonCommand = "print('Hello world')";`
The scripttree (Hotscript replacement) plugin and window allow to arrange scripts in a tree structure. The scripttree also automatically recognizes by file extention Pinnacle and Python scripts. It can execute both. The result of a Python script will be shown in the Python scripting window. Examples of python scripts interacting with Launchpad and Pinnacle can be found in: `PinnacleStatic/Python/lib/python2.7/site-packages/scripting/looptestLaunchPad.py` and `PinnacleStatic/Python/lib/python2.7/site-packages/scripting/looptestPinnacle.py`
The following folders are by default added to the search path of the Python interpreter in Launch-Pad and Pinnacle:

→ `PinnacleStatic/Python`

→ `$HOME/Scripts`

2.1   Pinnacle messages

Although most of the Pinnacle objects and messages are included, not all function call messages are available though. Therefore all Pinnacle objects in Python have functions to use Pinnacle messaging:

bool queryBool(Script)   Query a boolean value using the message *Script*.
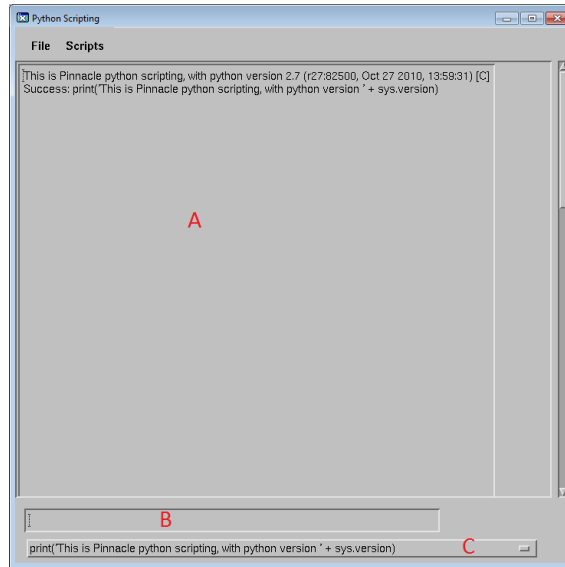
Figure 1: Window with Python interface. Top part (A) shows the output of the Python interpreter. The text widget (B) allows to enter commands to the interpreter. The drop down (C) contains a history of the previously entered commands.

int queryInt(Script)   Query an integer value using the message *Script*.

float queryFloat(Script)   Query a float value using the message *Script*.

double queryDouble(Script)   Query a double value using the message *Script*.

string queryString(Script)   Query a string value using the message *Script*.

string[] queryVectorString(Script)   Query an array of strings using the message *Script*.

bool setBool(Script, Value)   Set a boolean value *Value* using the message *Script*.

bool setInt(Script, Value)   Set an integer value *Value* using the message *Script*.

bool setFloat(Script, Value)   Set a float value *Value* using the message *Script*.

bool setDouble(Script, Value)   Set a double value *Value* using the message *Script*.

bool setString(Script, Value)   Set a string value *Value* using the message *Script*.

bool setVectorString(Script, Value)   Set an array of strings *Value* using the message *Script*.

2.2   Observers

Observers or dependencies use the mechanism of Pinnacle to get signalled when a property of an object in Pinnacle changes. These observers are specific to a type of object and message combination. The Python modules of Launchpad and Pinnacle allow to:

addObserver(Name, Message, Module, Function)   Create an observer named *Name* that is triggered whenever message *Message* is used in Launchpad or Pinnacle. The Python function named *Function* is called in the module *Module*. Argument *Module* may be an empty string, in which case the function is expected to be already defined - in the main module.

removeObserver(Name)   Remove an observer named *Name* from the object.

getObservers()   Get a list of names of existing (Python scripting)observers of that object.

getMessages()   Get a list of messages of the object that can be used to attach an observer to. The callback function used in Python will get one parameter. That parameter contains the complete Pinnacle message referring to that message.

2.3   Automatic handling of prompts

To allow to run scripts autonomously, a new mechanism is provided by the python plugin to capture prompts in LaunchPad and Pinnacle.
The automatic capturing can be switched on by the following Pinnacle command:
`PluginManager.ScriptingPlugin.AutoHandleMessages = 1;`
The default module used to handle the prompts is *autoHandleMessages*. The module name used can be changed with the Pinnacle command:
`PluginManager.ScriptingPlugin.AutoHandlePythonModule = ...;`
The default module that handles the messages can be found in PinnacleStatic/Python folder and contains something like:

```
if 'pinnacle' not in globals():
    print("Loading pinnacle from scripting module")
    from scripting import pinnacle


def askYesNo(message, default):
    print('askYesNo in Python: ' + message)
    result = default

    if message == "End planning session.  Are you sure?":
        result = 1

    return result


def askGeneralQuestion(message):
    print('askGeneralQuestion in Python: ' + message)
    return 1


def handleMessage(message):
    print('handleMessage in Python: ' + message)
    return 1
```

3   Development

3.1   Compilation Python packages

The Python binaries and libraries are in `PinnacleStatic\Python`. Some additional Python modules are already compiled and included:

1. Python Imaging Library

2. NumPy and SciPy

3. Reportlab - pdf generation

4. PyDICOM - dicom read, modify and write

5. Sphinx - documentation generator

6. Django - web server

7. PyQt4 - user interfaces with Qt

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To compile Python modules, the following environment variables are needed:

```
CC=/opt/SUNWspro/bin/cc
CXX=/opt/SUNWspro/bin/CC
LDFLAGS="-xarch=amd64 -KPIC -L/usr/lib/amd64 -L/opt/sfw/ncurses-5.7/lib
-L/opt/sfw/lib/amd64 -L/opt/sfw/lib"
CFLAGS="-xarch=amd64 -KPIC -I/opt/sfw/ncurses-5.7/include/ncurses
-I/opt/sfw/ncurses-5.7/include -I/opt/sfw/include"
CPPFLAGS="-xarch=amd64 -KPIC -I/opt/sfw/ncurses-5.7/include/ncurses
-I/opt/sfw/ncurses-5.7/include -I/opt/sfw/include"
```

Please note that the SunStudio compiler limits the (Python) modules that can be compiled.

3.2   User interfacing with Qt

Qt, `qt.nokia.com/`, is a cross platform application and UI framework. All the libraries necessary to run Qt applications are part of the research distribution of Pinnacle. The files needed to develop Qt applications are available. Qt applications can be used either in Python scripts using the PyQt4 library or in plugins.

The message handler of LaunchPad and Pinnacle need to get message requests from the same thread. An example of how to combine the Pinnacle message handler with a Qt application is the adapted PyQt4 demo script:
`PinnacleStatic/Python/application.py`

4 Objects

4.1 Objects in launchpad

Document

- → **ActualPaperSize** query and set of type EnumeratedList with labels
- → **AddDocGraphic** set of type action
- → **AddDocString** set of type action
- → **AddEncapsulatedPS** set of type action
- → **ColorNotClinical** query and set of type bool
- → **CorrectionXScaleFactor** query of type action
- → **CorrectionYScaleFactor** query of type action
- → **DebugInfo** set of type action
- → **ExpectedPaperSize** query and set of type EnumeratedList with labels
- → **LoadPaperSizesFromFile** set of type action
- → **Margin** query of type action
- → **MarginInInches** set of type action
- → **OutputPostscriptToFile** set of type action
- → **PSCreationDate** query and set of type ObjString
- → **PSCreator** query and set of type ObjString
- → **PSFor** query and set of type ObjString
- → **PSTitle** query and set of type ObjString
- → **PageHeight** query of type action
- → **PageMargin** query of type action
- → **PageOrientation** query and set of type EnumeratedList with labels
- → **PageWidth** query of type action
- → **PageXScaleFactor** query and set of type float
- → **PageYScaleFactor** query and set of type float
- → **PaperSizeList** list of type PaperSize
- → **PixelsFromInches** query of type action
- → **PlanNotClinical** query and set of type bool
- → **Rotation** query and set of type int
- → **Stream** set of type action

Float

 $\rightarrow$ **Absolute** query and set of type action

 $\rightarrow$ **Add** set of type action

 $\rightarrow$ **Divide** set of type action

 $\rightarrow$ **Invert** set of type action

 $\rightarrow$ **Multiply** set of type action

 $\rightarrow$ **Negate** set of type action

 $\rightarrow$ **Nint** query and set of type action

 $\rightarrow$ **Round** query and set of type action

 $\rightarrow$ **Square** set of type action

 $\rightarrow$ **SquareRoot** set of type action

 $\rightarrow$ **Subtract** set of type action

 $\rightarrow$ **Value** query and set of type float

ImageSet

→ **AtlasFileList** query of type action

→ **BeginMessageBatch** query and set of type bool

→ **DBName** query of type ObjString set of type action

→ **DBNameHasChanged** query and set of type bool

→ **Description** query of type action

→ **EndMessageBatch** query and set of type bool

→ **ExamID** query and set of type ObjString

→ **FileName** query and set of type ObjString

→ **FormattedDescription** query of type action

→ **FormattedDescriptionWithFileName** query of type action

→ **ImageIsLocked** query of type action

→ **ImageName** query and set of type ObjString

→ **ImageSetID** query and set of type int

→ **ImageSetPatientPosition** query of type action

→ **ImageSetZStart** query of type action

→ **Import** query and set of type bool

→ **IndexedFormattedDescription** query of type action

→ **IsCTImageSet** query and set of type bool

→ **IsSegmented** query of type action

→ **LoadImageSet** set of type action

→ **MRN** query and set of type ObjString

→ **Modality** query and set of type ObjString

→ **Name** query and set of type ObjString

→ **NameFromScanner** query and set of type ObjString

→ **NumberOfImages** query and set of type int

→ **OriginalIndex** query of type action

→ **ParentObject** query and set of type pointer

→ **PatientID** query and set of type int

→ **PatientObject** query and set of type pointer

→ **SaveImageSet** set of type action

→ **ScanTime** subobject of type Time

→ **ScanTimeFromScanner** query and set of type ObjString

→ **SeriesDescription** query and set of type ObjString

→ **ShortDescription** query of type action

→ **StudyID** query and set of type ObjString

Institution

- → **AddMountPoint** set of type action
- → **AtlasFile** query and set of type ObjString
- → **BackupDescription** query and set of type ObjString
- → **BackupDeviceType** query and set of type EnumeratedList with labels
- → **BackupDeviceTypeList** query and set of type StringList
- → **BackupFileName** query and set of type ObjString
- → **BackupID** query and set of type int
- → **BackupIndexFileName** query and set of type ObjString
- → **BackupIsotopeList** list of type BackupMachine
- → **BackupIsotopeListNonCommissioned** list of type BackupMachine
- → **BackupMachineList** list of type BackupMachine
- → **BackupMachineListNonCommissioned** list of type BackupMachine
- → **BackupTimeStamp** query and set of type ObjString
- → **BackupVolume** query and set of type ObjString
- → **BeginMessageBatch** query and set of type bool
- → **ChangedThisSession** query and set of type bool
- → **City** query and set of type ObjString
- → **Country** query and set of type ObjString
- → **DefaultMountPoint** query and set of type ObjString
- → **DeleteMountPoint** set of type action
- → **Description** query of type action
- → **DeviceSpaceRequiredAtlas** query and set of type float
- → **DeviceSpaceRequiredOrganModels** query and set of type float
- → **DeviceSpaceRequiredPatients** query and set of type float
- → **DeviceSpaceRequiredPhysics** query and set of type float
- → **DeviceSpaceRequiredScripts** query and set of type float
- → **DisplayLockMessage** set of type action
- → **DynamicRebuild** query and set of type bool
- → **EndMessageBatch** set of type action
- → **FullFileNameIncluded** query and set of type bool
- → **GetBackupIndexFileName** query of type action
- → **IncludeAllPatients** query and set of type bool
- → **IncludePhysicsData** query and set of type bool
- → **InstitutionID** query and set of type int
- → **InstitutionPath** query and set of type ObjString
- → **InstitutionTimeStamp** query and set of type ObjString
- → **InstitutionUnlocked** query of type action
- → **IntegrityCheck** query and set of type bool
- → **IsAtlasBackup** query of type action
- → **IsOrganModelsBackup** query of type action
- → **IsPatientBackup** query and set of type bool

→ **IsPhysicsMachinesBackup** query and set of type bool

→ **IsScriptsBackup** query of type action

→ **IsSolarisFormat** query and set of type bool

→ **LastModifiedTimeStamp** query of type action

→ **ListType** query and set of type EnumeratedList with labels

→ **ListTypeList** query and set of type StringList

→ **LoadCurrentPatient** set of type action

→ **LoadCurrentPatientFromDB** set of type action

→ **LoadCurrentPatientWithoutWarning** set of type action

→ **LoadInstitution** set of type action

→ **LoadPatientForReview** set of type action

→ **LockInstitution** set of type action

→ **MachineDBModified** query and set of type bool

→ **MachinesInV7Format** query and set of type bool

→ **MaxPatientID** query of type action

→ **MaxPatientTimeStamp** query and set of type ObjString

→ **MountPointIsEmpty** query of type action

→ **MountPointList** list of type SimpleString

→ **Name** query and set of type ObjString

→ **ObjectVersion** subobject of type ObjectVersion

→ **OrganModelsDir** query and set of type ObjString

→ **PatientListWithSize** query of type action

→ **PatientLiteList** list of type PatientLite

→ **PatientReviewDescription** query and set of type ObjString

→ **PinnInstitutionPath** query and set of type ObjString

→ **RemoveAllPatientsAndMachines** set of type action

→ **RestoreDescription** query of type action

→ **SaveInstitution** set of type action

→ **ScriptsDir** query and set of type ObjString

→ **SelectedMachineDirList** list of type SimpleString

→ **Session** query and set of type ObjString

→ **SetBackupIsotopeList** set of type action

→ **SetBackupIsotopeListNonCommissioned** set of type action

→ **SetBackupMachineList** set of type action

→ **SetBackupMachineListNonCommissioned** set of type action

→ **SetPatientDirectorySize** set of type action

→ **SortFields** query and set of type EnumeratedList with labels

→ **SortFieldsList** query and set of type StringList

→ **SortPatientList** set of type action

→ **State** query and set of type ObjString

→ **StreetAddress** query and set of type ObjString

→ **StreetAddress2** query and set of type ObjString

$\rightarrow$ **UnlockInstitution** set of type action

$\rightarrow$ **UpdateAtlasSpaceRequired** set of type action

$\rightarrow$ **UpdateOrganModelsSpaceRequired** set of type action

$\rightarrow$ **UpdatePatientSpaceRequired** set of type action

$\rightarrow$ **UpdatePhysicsSpaceRequired** set of type action

$\rightarrow$ **UpdateScriptsSpaceRequired** set of type action

$\rightarrow$ **ZipCode** query and set of type ObjString

ObjectList

→ ∗ query and set of type action

→ **Add** set of type action

→ **AddByStringList** set of type action

→ **AddChildren** set of type action

→ **CaseSensitiveNames** query and set of type bool

→ **ChildClassName** query and set of type action

→ **ChildClassNameAlias** query and set of type ObjString

→ **ChildNameFormat** query of type ObjString

→ **Children** query and set of type action

→ **ChildrenEachCurrent** set of type action

→ **ChildrenReverseOrder** set of type action

→ **Class** query and set of type action

→ **ContainerObject** query and set of type pointer

→ **ContainsObject** query of type action

→ **Copy** set of type action

→ **Count** query of type action

→ **CreateChild** set of type action

→ **CreateChildIfEmpty** set of type action

→ **CreateChildMakeCurrent** set of type action

→ **CreateChildren** set of type action

→ **Current** query and set of type action

→ **CurrentByAttribute** set of type action

→ **CurrentIndex** query and set of type action

→ **CurrentIndexPlusOne** query of type action

→ **CurrentObjectPointer** query of type action

→ **DestroyAllChildren** set of type action

→ **First** query and set of type action

→ **GrabNextObject** query of type action

→ **HasElements** query of type action

→ **HasMatchingObjects** query of type action

→ **HasMultipleElements** query of type action

→ **HasNoElements** query of type action

→ **Last** query and set of type action

→ **LastObjectPointer** query of type action

→ **MakeNextCurrent** set of type action

→ **MakePreviousCurrent** set of type action

→ **ModificationDependency** query and set of type

→ **Name** query and set of type ObjString

→ **NextChildName** query of type action

→ **NextCurrent** set of type action

→ **NumColumns** query and set of type action

→ **NumRows** query and set of type action

→ **NumberOfPoints** query and set of type action

→ **PersistenceList** query and set of type action

→ **Remove** set of type action

→ **RemoveAllObjects** set of type action

→ **RemoveByStringList** set of type action

→ **RemoveDuplicateObjects** set of type action

→ **RenumberChildren** set of type action

→ **SortBy** set of type action

→ **Value** query and set of type action

→ **X** query and set of type action

→ **Y** query and set of type action

ObjectVersion

- → **BeginMessageBatch** query and set of type bool
- → **CreateTimeStamp** query and set of type ObjString
- → **CreateVersion** query and set of type ObjString
- → **IsCreateVersionUnknown** query of type action
- → **IsWriteVersionUnknown** query of type action
- → **LastModifiedTimeStamp** query and set of type ObjString
- → **LoginName** query and set of type ObjString
- → **SetVersionsToUnknown** set of type action
- → **TimeStamp** query and set of type ObjString
- → **UpdateAndReturnWriteVersion** query of type action
- → **WasIFiledIn** query and set of type bool
- → **WriteTimeStamp** query and set of type ObjString
- → **WriteVersion** query and set of type ObjString

PaperSize

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **XSize** query and set of type int

$\rightarrow$ **YSize** query and set of type int

Patient

→ **AddImageSet** set of type action

→ **AddImageSetToConcatList** set of type action

→ **AddImageSetWithHeader** set of type action

→ **AddPlan** set of type action

→ **AllTrials** query and set of type bool

→ **Anatomy** query and set of type action

→ **AnatomyList** query of type action

→ **AtlasProcessInfoList** list of type AtlasProcessInfo

→ **AttendingPhysician** query of type ObjString set of type action

→ **BeginMessageBatch** query and set of type bool

→ **ChangedThisSession** query and set of type bool

→ **Comment** query and set of type ObjString

→ **CopyPlan** set of type action

→ **CopyPlanDescription** query and set of type ObjString

→ **CopyPlanImageIsNone** query and set of type bool

→ **CopyPlanImageList** query and set of type

→ **CopyPlanToNewImage** set of type action

→ **CopyWithoutDose** set of type action

→ **CreateImageSetConcatOrderTempFile** set of type action

→ **DOB** subobject of type DOB

→ **DateOfBirth** query and set of type ObjString

→ **DeformROIs** query and set of type bool

→ **DeleteImageSet** set of type action

→ **DeletePlan** set of type action

→ **Description** query of type action

→ **DescriptionChanged** query and set of type bool

→ **Diagnosis** query and set of type ObjString

→ **DirSize** query and set of type float

→ **Disease** query and set of type ObjString

→ **DisplayLockMessage** set of type action

→ **EditPatient** query and set of type bool

→ **EditPlan** query and set of type bool

→ **EncounterNumber** query of type ObjString set of type action

→ **EndMessageBatch** query of type bool set of type action

→ **FirstName** query of type ObjString set of type action

→ **FullName** query of type action

→ **Gender** query and set of type EnumeratedList with labels

→ **GenderList** query and set of type StringList

→ **HasImageSetsWithSameDescription** query of type action

→ **HasLockedPlans** query of type action

→ **ImageSetConcatList** list of type ImageSet

→ **ImageSetList** list of type ImageSet

→ **InstitutionID** query and set of type int

→ **InstitutionObject** query and set of type pointer

→ **IntegrityCheck** query and set of type bool

→ **IsAlgorithmTypeSFBR** query and set of type bool

→ **IsIntensityDIRTypeBSpline** query and set of type bool

→ **IsLocked** query of type action

→ **LastModifiedTimeStamp** query and set of type ObjString

→ **LastName** query of type ObjString set of type action

→ **LockPatient** set of type action

→ **LockPatientExtended** set of type action

→ **MaxPlanTimeStamp** query and set of type ObjString

→ **MedicalRecordNumber** query of type ObjString set of type action

→ **MiddleName** query of type ObjString set of type action

→ **Name** query of type ObjString set of type action

→ **NextUniqueImageSetID** query and set of type int

→ **NextUniquePlanID** query and set of type int

→ **ObjectVersion** subobject of type ObjectVersion

→ **Oncologist** query of type ObjString set of type action

→ **ParseDOB** set of type action

→ **PatientID** query and set of type int

→ **PatientPath** query and set of type ObjString

→ **PatientPlanTreeList** query of type action

→ **PatientUnlocked** query of type action

→ **PlanList** list of type Plan

→ **PlanSelectionUpdate** set of type action

→ **Prescription** query and set of type ObjString

→ **PrimaryIsNone** query and set of type bool

→ **PrimaryPhysician** query of type ObjString set of type action

→ **RadiationOncologist** query of type ObjString set of type action

→ **Radiologist** query of type ObjString set of type action

→ **ReferringPhysician** query of type ObjString set of type action

→ **RefreshPlanListTree** set of type action

→ **RemoveImageWithSelectedIndexFromConcatList** set of type action

→ **SavePatient** set of type action

→ **SetCopyPlanImageIsNone** set of type action

→ **SetCopyPlanImageList** set of type action

→ **SetPrimaryIsNone** set of type action

→ **SimpleLockFile** subobject of type SimpleLockFile

→ **SynchPatient** set of type action

→ **UnlockPatient** set of type action

→ **UnlockedAndNoImageSetsWithSameDescription** query of type action

$\rightarrow$ **UpdateDOB** set of type action

$\rightarrow$ **UpdatePatientSpaceRequired** set of type action

PatientDB

→ **AddAllFusionImageSets** set of type action

→ **AddHeaderInfoToIndex** query and set of type bool

→ **AddInstitution** set of type action

→ **AddPatient** set of type action

→ **AddPatientNoLock** set of type action

→ **AddTempPrimaryImageList** set of type action

→ **AppVersion** query and set of type ObjString

→ **AppVersionAndRevision** query and set of type ObjString

→ **AskYesNo** query of type action

→ **AskYesNoDefault** query and set of type int

→ **AskYesNoPrompt** query and set of type ObjString

→ **AtJobHost** query and set of type ObjString

→ **AtJobId** query and set of type ObjString

→ **AtlasHostKey** subobject of type LicenseKey

→ **AtlasPreferences** subobject of type AtlasPreferences

→ **AtlasSegmentationManager** subobject of type AtlasSegMgr

→ **Atlases** query and set of type action

→ **BackupCompressed** query and set of type bool

→ **BackupCurrentState** set of type action

→ **BackupDay** query and set of type action

→ **BackupDebugOutputEnabled** query and set of type bool

→ **BackupFileList** subobject of type FileList

→ **BackupIODeviceList** list of type IODevice

→ **BackupIndexList** query of type action

→ **BackupIndexPath** query and set of type ObjString

→ **BackupIndexSortType** query and set of type EnumeratedList with labels

→ **BackupIndexSortTypeList** query and set of type StringList

→ **BackupInit** set of type action

→ **BackupInstitutionList** list of type Institution

→ **BackupMonth** query and set of type action

→ **BackupRestoreDest** query and set of type EnumeratedList with labels

→ **BackupRestoreDestList** query and set of type StringList

→ **BackupSelected** set of type action

→ **BackupSpaceThreshold** query and set of type float

→ **BackupTime** query and set of type action

→ **BackupTimeForPrint** query and set of type ObjString

→ **BackupTimeList** query of type action

→ **BackupVolumeNameList** list of type SimpleString

→ **BeginMessageBatch** query and set of type bool

→ **BinArchitectureDirectory** query and set of type ObjString

→ **CancelUnattendedBackup** set of type action

→ **ChangedThisSession** query and set of type bool

→ **CheckAdaptiveLicense** set of type action

→ **CheckIfUnattendedBackupExists** set of type action

→ **CheckPassword** set of type action

→ **ClearBackupIndex** set of type action

→ **ClearSelectedBackupInstitutionList** set of type action

→ **ClearSelectedRestoreInstitutionList** set of type action

→ **ColorList** list of type SimpleString

→ **ColorPrinterControl** subobject of type PrinterControl

→ **CombineSplitImages** set of type action

→ **CopyHotScriptsToBackupDir** set of type action

→ **CopyToPhantom** set of type action

→ **CreateBackupInstitutionList** set of type action

→ **CreateNewInstitution** query and set of type bool

→ **CreateSelectedBackupInstitutionList** set of type action

→ **CreateSelectedRestoreInstitutionList** set of type action

→ **DBCheckList** query and set of type ObjString

→ **DebugEnabled** query and set of type bool

→ **DefaultBackupIODevice** query and set of type ObjString

→ **DefaultBackupVolume** set of type action

→ **DefaultInstitution** query and set of type ObjString

→ **DefaultPinnacleVersion** query of type action

→ **DefaultReport** subobject of type PinnReport

→ **DefaultUnattendedBackupDate** set of type action

→ **Delete4DImageSets** set of type action

→ **DeleteBackupVolumeNameDB** set of type action

→ **DeleteDICOMImageSet** set of type action

→ **DeleteEmptyImageSet** set of type action

→ **DeleteFilesFromIndex** query and set of type bool

→ **DeleteFromSelectedBackupInstitutionList** set of type action

→ **DeleteFromSelectedRestoreInstitutionList** set of type action

→ **DeleteImageSet** set of type action

→ **DeleteInstitution** set of type action

→ **DeleteInstitutionNoWarning** set of type action

→ **DeletePatient** set of type action

→ **DeletePhantomImageSet** set of type action

→ **DeviceSpaceRequiredAtlas** query and set of type float

→ **DeviceSpaceRequiredOrganModels** query and set of type float

→ **DeviceSpaceRequiredScripts** query and set of type float

→ **DeviceSpaceRequiredTotal** query and set of type float

→ **DiskHighWaterMark** query and set of type int

→ **DisplayLockMessage** set of type action

→ **DyeKom** subobject of type DyeKom

→ **EjectCD** set of type action

→ **EndMessageBatch** query and set of type bool

→ **EraseCD** set of type action

→ **ExcludeAutoSavedBinary** query and set of type bool

→ **Exit** set of type action

→ **ExportImages** set of type action

→ **FileList** subobject of type FileList

→ **ForceDBSync** query and set of type bool

→ **FreeDiskSpace** query of type action

→ **GenerateAllHTMLInstitutionFiles** set of type action

→ **GenerateHTMLIndex** query and set of type bool

→ **GenerateIndex** set of type action

→ **GeneratePatientHTMLFile** set of type action

→ **GeoScannerErrorList** list of type SimpleString

→ **GeoScannerList** list of type Scanner

→ **GetBackupIndexFileName** query of type action

→ **GetBestMountPoint** query of type action

→ **GetHeaderInfo** set of type action

→ **GetPhantomHeaderInfo** set of type action

→ **ImageFileList** subobject of type FileList

→ **ImportDemog** query and set of type bool

→ **ImportImages** set of type action

→ **ImportImagesAndAddPlan** query and set of type bool

→ **InfoMessage** set of type action

→ **InitScript** query and set of type ObjString

→ **InitScriptPinn** query and set of type ObjString

→ **InstMaxTimeStamp** query and set of type ObjString

→ **Institution** query and set of type ObjString

→ **InstitutionBackup** subobject of type Institution

→ **InstitutionFileList** subobject of type FileList

→ **InstitutionList** list of type Institution

→ **InstitutionOrPatientUnlocked** query of type action

→ **InstitutionUnlockedinRestore** query of type action

→ **IntegrityCheck** query and set of type bool

→ **IsArchiveDir** query of type action

→ **IsCDWriter** query of type action

→ **IsDICOMImport** query of type action

→ **IsOkForAdaptive** query of type bool

→ **IsOkForAtlas** query of type bool

→ **IsResearchMode** query and set of type bool

→ **IsRestrictedMode** query and set of type bool

- → **IsTape** query of type action
- → **KeepDiskOpen** query and set of type bool
- → **LPPassword** subobject of type Password
- → **LPPasswordFileName** query and set of type ObjString
- → **LPSitePath** query and set of type ObjString
- → **LPStaticPath** query and set of type ObjString
- → **LastModifiedTimeStamp** query and set of type ObjString
- → **LaunchPrinterSelection** set of type action
- → **LicenseControl** subobject of type LicenseControl
- → **List4DImageSets** set of type action
- → **ListPETImageSets** set of type action
- → **LoadAtlasPreferences** set of type action
- → **LoadFusionImageList** set of type action
- → **LoadGeoScannerDB** set of type action
- → **LoadIODeviceDB** set of type action
- → **LoadInstitutionList** set of type action
- → **LoadPatientDB** set of type action
- → **LoadRestoreInstitutionList** set of type action
- → **LoadScannerDB** set of type action
- → **LoadVersionDB** set of type action
- → **LocatePatient** set of type action
- → **LockPatientDB** set of type action
- → **MaxAgeOfBackupInstitutionFiles** query and set of type int
- → **ModifiedScriptsList** query and set of type ObjString
- → **NeedFilmScannerParameters** query and set of type bool
- → **NextUniqueBackupID** query and set of type int
- → **NextUniqueInstitutionID** query and set of type int
- → **NextUniquePatientID** query and set of type int
- → **NoPlanningTool** query and set of type bool
- → **NumBackupInstitutionFiles** query and set of type int
- → **NumPlans** query of type action
- → **OkToScheduleUnattended** set of type action
- → **OrganModels** query and set of type action
- → **PasswordEntered** query and set of type bool
- → **PatientDBList** query of type action
- → **PatientDBSyncTimeout** query of type float set of type action
- → **PatientDBUnlocked** query of type action
- → **PatientName** query and set of type ObjString
- → **PatientReviewMode** query and set of type bool
- → **PhantomFileList** subobject of type FileList
- → **PhantomFilename** query and set of type action
- → **PhantomFilenameExists** query of type action

→ **PhysicsLockFile** subobject of type SimpleLockFile

→ **PinnInstEnvVar** query and set of type ObjString

→ **PinnSitePath** query and set of type ObjString

→ **PinnStaticPath** query and set of type ObjString

→ **PinnacleVersionList** list of type PinnacleVersion

→ **PluginDirectory** query and set of type ObjString

→ **PluginManager** subobject of type PluginManager

→ **PluginManagerIsInitialized** query and set of type bool

→ **PrintBackupReport** set of type action

→ **PrintLicenseReport** set of type action

→ **PrintReport** query and set of type bool

→ **PrinterControl** subobject of type PrinterControl

→ **ProgLongName** query and set of type ObjString

→ **ProgShortName** query and set of type ObjString

→ **ProgVersion** query and set of type ObjString

→ **PublicScriptDirectory** query of type ObjString

→ **ReadHeaderInfo** set of type action

→ **ReadImageSet** set of type action

→ **ReadMultipleHeaders** query and set of type bool

→ **ReadOnly** query and set of type bool

→ **RebuildDatabase** set of type action

→ **RebuildPatientDB** set of type action

→ **RecordAndVerify** query and set of type bool

→ **RecordNumber** query and set of type ObjString

→ **RefreshInstitution** set of type action

→ **RemoveAllFusionImageSets** set of type action

→ **RemoveBlockDBSync** set of type action

→ **RestoreIndexSearch** subobject of type Search

→ **RestoreInit** set of type action

→ **RestoreInstitution** set of type action

→ **RestoreInstitutionList** list of type Institution

→ **RestoreLayout** query and set of type EnumeratedList with labels

→ **RestoreLayoutList** query and set of type StringList

→ **RestoreListHasElements** query and set of type bool

→ **RestorePhysicsData** query and set of type bool

→ **RestorePreviousState** set of type action

→ **RestoreScannerName** set of type action

→ **RestoreSelectedBackup** set of type action

→ **RestoreSolarisData** query and set of type bool

→ **RestoreSpaceThreshold** query and set of type float

→ **ReviewUponImport** query and set of type bool

→ **RewindCurrentDevice** set of type action

→ **SaveIODeviceDB** set of type action

→ **SaveImageAsPhantom** set of type action

→ **SavePatientDB** set of type action

→ **SaveScannerDB** set of type action

→ **SaveVersionDB** set of type action

→ **ScanDate** query and set of type ObjString

→ **ScannerList** list of type Scanner

→ **Script** query and set of type action

→ **Select4DImageSetsForImport** set of type action

→ **SelectPinnacleFile** query and set of type bool

→ **SelectedBackupInstitutionList** list of type Institution

→ **SelectedPatientDBList** query of type action

→ **SelectedRestoreInstitutionList** list of type Institution

→ **SelectedRestoreList** query of type action

→ **SetBackupFileList** set of type action

→ **SetBlockDBSync** set of type action

→ **SetImageToPhantom** set of type action

→ **SetResetForcedDBSync** set of type action

→ **ShowToolTips** query and set of type bool

→ **SimpleLockFile** subobject of type SimpleLockFile

→ **SiteName** query and set of type ObjString

→ **SortImageFields** query and set of type EnumeratedList with labels

→ **SortImageFieldsList** query and set of type StringList

→ **SortPatientImageList** set of type action

→ **StartAcQSim** set of type action

→ **StartCTSim** set of type action

→ **StartCopyPlan** set of type action

→ **StartImageEditor** set of type action

→ **StartOnLineBackupIndex** set of type action

→ **StartOnLineManual** set of type action

→ **StartPhysicianReview** set of type action

→ **StartPhysicsTool** set of type action

→ **StartPinnacle** set of type action

→ **StartPreferencesOnly** set of type action

→ **StartSyntegra** set of type action

→ **StartVolumeEditor** set of type action

→ **StartVolumeEditorOnImageSetConcatMode** set of type action

→ **StartVolumeEditorOnImportedImage** set of type action

→ **StatusFile** query and set of type ObjString

→ **Store** subobject of type StringKeyDict

→ **SynchPatientDB** set of type action

→ **SystemScriptDirectory** query of type ObjString

- → **TempPrimaryImageList** query and set of type
- → **TempRestoreDir** query and set of type action
- → **TempRestoreDirList** subobject of type FileList
- → **TestTarIntegrity** set of type action
- → **TimeOutCallback** set of type action
- → **TotalRestoreSpaceRequired** query and set of type float
- → **TransferPatient** set of type action
- → **TypeOfBackup** query and set of type EnumeratedList with labels
- → **TypeOfBackupList** query and set of type StringList
- → **UnattendedBackupSet** query and set of type bool
- → **UpdateAvailableDeviceSpace** set of type action
- → **UpdateRequiredRestoreSpace** set of type action
- → **UpdateTotalSpaceRequired** set of type action
- → **UseBestMountPoint** query and set of type bool
- → **UseImageEditor** query and set of type bool
- → **WarningMessage** set of type action
- → **WindowList** list of type GeoForm

PatientLite

$\rightarrow$ **DerivedPatientPath** query of type action

$\rightarrow$ **Diagnosis** query of type action

$\rightarrow$ **DirSize** query and set of type action

$\rightarrow$ **FirstName** query of type action

$\rightarrow$ **FormattedDescription** query of type action set of type ObjString

$\rightarrow$ **LastModifiedTimeStamp** query of type action

$\rightarrow$ **LastName** query of type action

$\rightarrow$ **ListTreeFormattedDescription** query of type action

$\rightarrow$ **MedicalRecordNumber** query of type action

$\rightarrow$ **MiddleName** query of type action

$\rightarrow$ **MountPoint** query and set of type ObjString

$\rightarrow$ **Name** query of type action

$\rightarrow$ **Patient** subobject of type Patient

$\rightarrow$ **PatientID** query and set of type int

$\rightarrow$ **PatientPath** query and set of type ObjString

$\rightarrow$ **RadiationOncologist** query of type action

$\rightarrow$ **SetPatientAttributes** set of type action

PinnReport

$\rightarrow$ **AddPinnacleFooter** set of type action

$\rightarrow$ **AddPinnacleFootersToAllPages** set of type action

$\rightarrow$ **AddPinnacleHeader** set of type action

$\rightarrow$ **AddPlanFooter** set of type action

$\rightarrow$ **AddPlanFootersToAllPages** set of type action

$\rightarrow$ **AddPlanHeader** set of type action

$\rightarrow$ **PrintWaterMark** query and set of type bool

$\rightarrow$ **ProgramName** query and set of type ObjString

$\rightarrow$ **Report** subobject of type Report

$\rightarrow$ **ReportTag** query and set of type ObjString

PinnacleVersion

- → **BackgroundColor** subobject of type Color

- → **Description** query of type action

- → **ForegroundColor** subobject of type Color

- → **IsDefault** query and set of type bool

- → **Name** query and set of type ObjString

- → **PinnacleCommand** query and set of type ObjString

- → **PinnacleStatic** query and set of type ObjString

- → **PinnacleTool** query and set of type ObjString

- → **PinnacleVersion** query and set of type ObjString

- → **RAndVCommand** query and set of type ObjString

- → **RAndVEnabled** query and set of type bool

- → **SaveColors** set of type action

Plan

→ **AddFusionImageSet** set of type action

→ **BeginMessageBatch** query and set of type bool

→ **CP2IAccessCheck** query of type action

→ **Comment** query and set of type ObjString

→ **Description** query of type action

→ **Dosimetrist** query of type ObjString set of type action

→ **EndMessageBatch** set of type action

→ **FusionIDArray** list of type Float

→ **FusionImageSetList** list of type ImageSet

→ **IsEditable** query of type action

→ **IsLocked** query of type action

→ **IsNewPlanPrefix** query and set of type bool

→ **LastModifiedTimeStamp** query and set of type ObjString

→ **LastSavedTimeString** query of type action

→ **LockPlan** set of type action

→ **LockStatus** query of type action

→ **Name** query and set of type ObjString

→ **OKForSyntegraInLaunchpad** query and set of type bool

→ **ObjectVersion** subobject of type ObjectVersion

→ **OverridePrimaryCTImageSetPath** set of type action

→ **PatientObject** query and set of type pointer

→ **Physicist** query of type ObjString set of type action

→ **PinnacleVersionDescription** query and set of type ObjString

→ **PlanHasBeenSaved** query of type action

→ **PlanID** query and set of type int

→ **PlanIsLocked** query and set of type bool

→ **PlanName** query of type ObjString set of type action

→ **PlanPath** query and set of type ObjString

→ **PrimaryCTImageSet** query and set of type pointer

→ **PrimaryCTImageSetID** query and set of type action

→ **PrimaryCTImageSetPath** query and set of type ObjString

→ **PrimaryImageType** query and set of type action

→ **PrimaryImageTypeIndex** query and set of type int

→ **PrimaryImageTypeList** query of type action

→ **RemoveFusionImageSet** set of type action

→ **SavePlan** set of type action

→ **SecondaryImageSort** query and set of type int

→ **SimpleLockFile** subobject of type SimpleLockFile

→ **SortBySeries** set of type action

→ **ToolType** query and set of type action

→ **ToolTypeList** query and set of type StringList

$\rightarrow$ **TurnEditable** set of type action

$\rightarrow$ **UpdateDefaultsFile** set of type action

Printer

$\rightarrow$ **AETitle** query and set of type action

$\rightarrow$ **BorderDensity** query and set of type EnumeratedList with labels

$\rightarrow$ **CanCollate** query and set of type bool

$\rightarrow$ **ColorCapable** query and set of type EnumeratedList with labels

$\rightarrow$ **Command** query and set of type ObjString

$\rightarrow$ **ConfigurationString** query and set of type ObjString

$\rightarrow$ **Destination** query and set of type action

$\rightarrow$ **EmptyDensity** query and set of type EnumeratedList with labels

$\rightarrow$ **FilmSize** query and set of type action

$\rightarrow$ **IsValidPrintMargin** query of type action

$\rightarrow$ **Magnification** query and set of type action

$\rightarrow$ **MaxDensity** query and set of type int

$\rightarrow$ **Medium** query and set of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **OutputFormat** query and set of type EnumeratedList with labels

$\rightarrow$ **PaperSize** query and set of type ObjString

$\rightarrow$ **Polarity** query and set of type EnumeratedList with labels

$\rightarrow$ **Print** set of type action

$\rightarrow$ **PrintMargin** query and set of type float

$\rightarrow$ **PrintMarginWarning** set of type action

$\rightarrow$ **PrintMemory** set of type action

$\rightarrow$ **Priority** subobject of type SimpleString

$\rightarrow$ **SmoothingType** query and set of type ObjString

$\rightarrow$ **TimeOut** query and set of type int

$\rightarrow$ **Trim** query and set of type bool

$\rightarrow$ **XFeatureSize** query and set of type

$\rightarrow$ **YFeatureSize** query and set of type

PrinterControl

→ **CompanionClassPtr** query and set of type pointer

→ **CompanionObjectPtr** query and set of type pointer

→ **LoadPrinterList** set of type action

→ **MaxScale** query and set of type float

→ **PrintConfirmationMessage** query and set of type ObjString

→ **PrintToFile** query and set of type bool

→ **PrintToFileFileList** subobject of type FileList

→ **PrintToFilePaperSize** query and set of type ObjString

→ **PrinterCommandFileName** query and set of type ObjString

→ **PrinterList** list of type Printer

→ **PrinterListFileName** query and set of type ObjString

→ **PrinterName** query and set of type ObjString

→ **SavePrinterList** set of type action

→ **SendToSelectedPrinter** set of type action

→ **UpdateScaleMethod** set of type action

→ **ValidateSelectedPrinter** set of type action

→ **WindowDumpFieldWidth** query and set of type float

→ **WindowDumpHeight** query and set of type int

→ **WindowDumpScaleFactor** query of type float set of type action

→ **WindowDumpScaleMethod** query and set of type EnumeratedList with labels

→ **WindowDumpSelectionMethod** query and set of type EnumeratedList with labels

→ **WindowDumpWidth** query and set of type int

→ **WindowDumpWindowId** query and set of type int

→ **WindowDumpWindowName** query of type action

→ **WindowDumpXOffset** query and set of type int

→ **WindowDumpYOffset** query and set of type int

→ **WriteSelectedPrinterCommandToFile** set of type action

Report

- → **CurrentXPosition** query and set of type int
- → **CurrentYPosition** query and set of type int
- → **Document** subobject of type Document
- → **HighPageNumber** query and set of type int
- → **NextPage** set of type action
- → **PageNumber** query and set of type int
- → **QueryObject** query and set of type pointer
- → **ScaleNextQueryWithMsg** set of type action
- → **TextJustification** query and set of type EnumeratedList with labels
- → **TextPointSize** query and set of type int
- → **TextSizeLimit** query and set of type int
- → **TextStyle** query and set of type EnumeratedList with labels
- → **TextUnderline** query and set of type bool
- → **TextXBlockOffset** query of type int set of type action
- → **TextYBlockOffset** query of type int set of type action

Scanner

→ **AlternateScannerCommand** query and set of type ObjString

→ **Description** query of type action

→ **ExamList** list of type ImageSet

→ **IODevice** subobject of type IODevice

→ **Media** query and set of type EnumeratedList with labels

→ **MediaList** query and set of type StringList

→ **Name** query and set of type ObjString

→ **ScannerCommand** query and set of type ObjString

→ **ScannerCommandArguments** query and set of type ObjString

→ **ScannerStatic** query and set of type ObjString

Search

$\rightarrow$ **MatchCase** query and set of type bool

$\rightarrow$ **MatchWholeWord** query and set of type bool

$\rightarrow$ **SearchListTree** set of type action

$\rightarrow$ **SearchString** query and set of type ObjString

$\rightarrow$ **WidgetToSearch** query and set of type ObjString

SimpleLockFile

$\rightarrow$ **BinArchitectureDirectory** query and set of type ObjString

$\rightarrow$ **BinCommonDirectory** query and set of type ObjString

$\rightarrow$ **FileName** query and set of type ObjString

$\rightarrow$ **Host** query and set of type ObjString

$\rightarrow$ **IsLocked** query of type action

$\rightarrow$ **IsLockedNoWarning** query of type action

$\rightarrow$ **IsLockedWithTimeout** query of type action

$\rightarrow$ **IsStaleLock** query of type action

$\rightarrow$ **Lock** set of type action

$\rightarrow$ **LockMessage** query of type action

$\rightarrow$ **NotStaleWithTimeout** query of type action

$\rightarrow$ **PID** query and set of type int

$\rightarrow$ **Unlock** set of type action

$\rightarrow$ **User** query and set of type ObjString

SimpleString

$\rightarrow$ **AppendString** set of type action

$\rightarrow$ **Contains** query of type action

$\rightarrow$ **Execute** set of type action

$\rightarrow$ **Is** query of type action

$\rightarrow$ **IsNull** query of type action

$\rightarrow$ **Matches** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **String** query and set of type ObjString

$\rightarrow$ **Value** query and set of type ObjString

StringKeyDict

$\rightarrow$ **At** query and set of type action

$\rightarrow$ **DestroyObjectsOnFree** set of type action

$\rightarrow$ **FloatAt** query and set of type action

$\rightarrow$ **FreeAt** query and set of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **NumRows** query of type action

$\rightarrow$ **PersistenceList** query and set of type action

$\rightarrow$ **RemoveAt** query and set of type action

$\rightarrow$ **RowHeader** query of type action

$\rightarrow$ **StringAt** query and set of type action

$\rightarrow$ **Value** query and set of type action

Time

→ **CTime** query of type action

→ **DayLightSavingsTimeInEffect** query and set of type action

→ **DayOfMonth** query and set of type int

→ **DayOfWeek** query and set of type int

→ **DayOfYear** query and set of type int

→ **Hours** query and set of type int

→ **ISODate** query and set of type action

→ **ISODateAndTime** query and set of type action

→ **ISODateAndTimeString** query and set of type action

→ **Minutes** query and set of type int

→ **Month** query and set of type action

→ **Seconds** query and set of type int

→ **UTC_ISODateAndTimeString** query and set of type action

→ **Year** query and set of type action

4.2   Objects in pinnacle

ARRoiExtension

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **IsFiling** query of type bool

ARTrialExtension

- → **ClassName** query of type string
- → **Destroy** set of type action
- → **Existence** query of type bool
- → **IsFiling** query of type bool
- → **SelectedToCopy** query and set of type bool

AngioFilm

→ **FiducialPoints** list of type Poi

→ **ModificationDependency** query of type action

AngioFrame

$\rightarrow$ **AngioFrameValid** query and set of type bool

$\rightarrow$ **FrameFiducialHeight** query and set of type double

$\rightarrow$ **FrameFiducialOriginXCoord** query and set of type float

$\rightarrow$ **FrameFiducialOriginYCoord** query and set of type float

$\rightarrow$ **FrameFiducialOriginZCoord** query and set of type float

$\rightarrow$ **FrameFiducialWidth** query and set of type double

$\rightarrow$ **FrameOuterAPDistance** query and set of type double

$\rightarrow$ **FrameOuterRLDistance** query and set of type double

$\rightarrow$ **FrameSideThickness** query and set of type double

$\rightarrow$ **Units** query and set of type EnumeratedList with labels

AngioLocalizer

    → **APFilm** subobject of type AngioFilm

    → **APMagnification** query and set of type double

    → **APSourceToFilm** query and set of type double

    → **AngioFrame** query and set of type

    → **AngioFrameObject** query and set of type pointer

    → **CurrentFilm** subobject of type AngioFilm

    → **CurrentFilmAndOrientation** query of type action

    → **DigitizerValidAndCurrent** query of type action

    → **Distance** query and set of type double

    → **Film** query and set of type action

    → **FilmAP** query and set of type bool

    → **FilmList** query of type action

    → **FilmRL** query and set of type bool

    → **FinishDigitization** set of type action

    → **LRFilm** subobject of type AngioFilm

    → **LateralMagnification** query and set of type double

    → **LateralSourceToFilm** query and set of type double

    → **Orientation** query and set of type action

    → **OrientationList** query of type action

    → **Reconstruct** set of type action

    → **ReconstructedBRWTargetPoints** subobject of type Poi

    → **ReconstructedTargetPoints** subobject of type Poi

    → **ReconstructionValid** query of type action

    → **StartDigitization** set of type action

AnnotatedCurve

→ **AddEditPoint** set of type action

→ **AddPointMakeCurrent** set of type action

→ **BeginMessageBatch** set of type action

→ **CloseCurve** set of type action

→ **ClosedCurveEditing** query and set of type bool

→ **ColumnFormat** query and set of type action

→ **ColumnHeader** query and set of type action

→ **ColumnHeaderNoBroadcast** query and set of type action

→ **CurrentDimension** query and set of type int

→ **CurrentPoint** query and set of type int

→ **CurrentPointDependency** query of type action

→ **CurrentValue** query and set of type action

→ **Curve** subobject of type CurveNd

→ **CurveCloseCutoffDistance** query and set of type float

→ **CurveClosedDependency** query of type action

→ **CurveIsClosed** query and set of type bool

→ **DeleteCurrentPoint** set of type action

→ **DistanceToReference2d** query of type action

→ **EditMode** query and set of type EnumeratedList with labels

→ **EditModeList** query and set of type StringList

→ **EditingAllowed** query and set of type bool

→ **EditingDependency** query of type action

→ **Empty** query of type action

→ **EndMessageBatch** set of type action

→ **FinishClosedCurve** set of type action

→ **IndexClosestToRefWithinCutoff** query of type action

→ **IndexClosestToReference2d** query of type action

→ **IndexPlusOne** query of type action

→ **InsertEditPoint** set of type action

→ **IsCurrent** query of type action

→ **Label** query and set of type action

→ **LabelFormat** query and set of type action

→ **LabelFormatList** list of type SimpleString

→ **LabelList** list of type SimpleString

→ **LabelNoBroadcast** query and set of type action

→ **MakeNextCurrent** set of type action

→ **MakePointCurrent** set of type action

→ **MakePreviousCurrent** set of type action

→ **ModificationDependency** query of type action

→ **NumberOfPoints** query and set of type action

→ **PointSelectionCutoffDistance** query and set of type float

- → **RawData** subobject of type CurveNd
- → **ReferencePoint** set of type action
- → **RemoveEditPoint** set of type action
- → **RowHeader** query and set of type action
- → **RowHeaderNoBroadcast** query and set of type action
- → **RowLabel** query and set of type action
- → **RowLabelList** list of type SimpleString
- → **RowLabelNoBroadcast** query and set of type action
- → **SegmentClosestToRefWithinCutoff** query of type action
- → **StartClosedCurve** set of type action
- → **StartEdit** set of type action
- → **StartMoveAllPoints** set of type action
- → **StartStretch** set of type action
- → **TrackEdit** set of type action
- → **TrackMoveAllPoints** set of type action
- → **TrackStretch** set of type action
- → **Value** query and set of type action
- → **ValueNoBroadcast** query and set of type action

AutoReplan

$\rightarrow$ **ARRoiExtensionList** list of type ARRoiExtension

$\rightarrow$ **ARTrialExtensionList** list of type ARTrialExtension

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **ConfirmRegistrationState** query and set of type bool

$\rightarrow$ **CopyPlan** set of type action

$\rightarrow$ **DestinationImage** query and set of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **LoadPersistentData** set of type action

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **PropagateSelectedROIs** set of type action

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **SavePersistentData** query of type int

$\rightarrow$ **SetupPlanCopyOptions** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

Beam

→ **ActualLocalizer** query and set of type

→ **ActualLocalizerName** query and set of type action

→ **AddBevWindowId** set of type action

→ **AddBrvWindowId** set of type action

→ **AddModifier** set of type action

→ **AddModifierIfNone** set of type action

→ **AddRevWindowId** set of type action

→ **AllowDynamicArcParametersExist** query of type action

→ **AllowJawMotionExist** query of type action

→ **AllowPushLeavesToJawPositions** query of type action

→ **AllowSplitBeamExist** query of type action

→ **AnyCPHasBlockContours** query of type action

→ **AnyRelyOnBolusModificationCallback** set of type action

→ **ApertureDesc** query of type action

→ **ApertureType** query of type action

→ **ArcAngle** query of type action

→ **ArcValid** query and set of type

→ **AreBeamMUsAvailable** query of type action

→ **AutoSurround** query and set of type action

→ **AutoSurroundBlocks** set of type action

→ **AutoSurroundMargin** query and set of type action

→ **AvgSSD** query of type action

→ **AvgTar** query and set of type float

→ **BeamDose** query and set of type float

→ **BeamID** query of type int

→ **BeamIsDeliverable** query of type action

→ **BeamIsDynamic** query of type action

→ **BeamToWorld** query of type action

→ **BeamTrialDescription** query of type action

→ **BeamType** query and set of type EnumeratedList with labels

→ **BeamTypeList** query of type action

→ **BeamWasSplit** query and set of type int

→ **BeamWindowList** list of type BeamWindow

→ **BeginMessageBatch** set of type action

→ **BeingOpposed** query and set of type bool

→ **BevFieldWidth** query and set of type float

→ **BevIsParallel** query and set of type bool

→ **BevParallelDistance** query and set of type float

→ **BevRotationAngle** query and set of type action

→ **BevWindowName** set of type action

→ **BlockAndTrayFactor** query and set of type action

→ **BlockAndTrayFactorIfValid** query of type action set of type float

→ **BlockAndTrayLabel** query of type action

→ **BlockContourList** list of type CurveNd

→ **BlockCutterFormat** query and set of type EnumeratedList with labels

→ **BlockCutterOutput** set of type action

→ **BlockExportName** query and set of type ObjString

→ **BlockFactorHasMeaning** query of type action

→ **BlockInfo** query and set of type action

→ **BlockJawOverlap** query and set of type float

→ **BlockTrayNumberHasMeaning** query of type action

→ **BlockingMask** subobject of type BinaryVolume

→ **BlockingMaskCutoffArea** query and set of type float

→ **BlockingMaskPixelSize** query and set of type float

→ **BlocksAreLocked** query and set of type bool

→ **Bolus** set of type action

→ **BottomAutoSurroundMargin** query and set of type float

→ **BottomJawMax** query of type action

→ **BottomJawMin** query of type action

→ **BottomJawPosition** query and set of type

→ **CArmAngle** query and set of type

→ **CArmString** query of type action

→ **CPManager** subobject of type CPManager

→ **CPManagerObject** query and set of type

→ **CanBeComputedBySDE** query of type action

→ **CenterInField** set of type action

→ **CenterPatient** set of type action

→ **ChangeShiftDirectionOn** query of type action

→ **CheckAndSetWedge** set of type action

→ **CheckArcValid** query and set of type bool

→ **CheckDose** query of type action

→ **CheckDoseAndCurrentCP** query of type action

→ **CheckDoseAndRemoveAllCPs** query of type action

→ **CheckDoseAndRemoveAllCPsWhenSetMachine** query of type action

→ **CheckDoseIfBolus** query of type action

→ **CheckDoseIfCompensator** query of type action

→ **CheckDoseIfWedge** query of type action

→ **CheckJawsWithMLC** query of type action

→ **CheckMLC** query of type action

→ **CheckValidForDoseComp** query of type action

→ **CircularCollimator** set of type action

→ **CircularFieldDiameter** query and set of type action

→ **ClipMLCDisplay** query and set of type bool

- → **Collimator** query and set of type
- → **CollimatorCanBeArc** query of type action
- → **CollimatorLabel** query of type action
- → **CollimatorStop** query and set of type
- → **CollimatorType** query of type action
- → **Color** query and set of type action
- → **ColorPixel** query of type action
- → **Compensator** subobject of type Compensator
- → **CompensatorAttenuationCoef** query of type action
- → **CompensatorInfo** query and set of type action
- → **CompensatorScaleFactor** query and set of type float
- → **CompuCutterEnabled** query and set of type bool
- → **ComputationVersion** query of type ObjString set of type action
- → **ComputeButtonLabel** query of type action
- → **ConfirmUnlockWeights** query of type action
- → **ConfirmUnlockWeightsAndCheckDose** query of type action
- → **ConfirmUnlockWeightsAndCheckDoseForFiltering** query of type action
- → **ContainerObject** query of type pointer set of type action
- → **CopyAndOppose** set of type action
- → **CopyBeam** set of type action
- → **CopySource** query and set of type pointer
- → **Couch** query and set of type
- → **CouchCanBeArc** query of type action
- → **CouchStop** query and set of type
- → **CreateModifierOutput** set of type action
- → **CutoutFactor** query and set of type
- → **CutoutMaterialTransmissionFactor** query and set of type float
- → **DRRVolumeName** query of type action
- → **DegreesBetweenSubbeamsForDoseCalc** query and set of type float
- → **DesiredLocalizer** query and set of type
- → **DesiredLocalizerName** query and set of type action
- → **Display2d** query and set of type bool
- → **Display3d** query and set of type bool
- → **DisplayControlPointWeights** query of type action
- → **DisplayLaserMotion** query and set of type EnumeratedList with labels
- → **DisplayList** list of type BeamDisplay
- → **DisplayMAXLeafMotion** query and set of type bool
- → **DisplayOnly** query and set of type bool
- → **DoAutoSurround** query and set of type
- → **DoAutoSurroundMLC** query and set of type
- → **DoNotRecreateBEV** query and set of type bool
- → **DoseEngine** subobject of type DoseEngine

$\rightarrow$ **DoseInvalidWhileFiling** query and set of type bool

$\rightarrow$ **DosePerMuAtPrescriptionPoint** query and set of type float

$\rightarrow$ **DoseRate** query of type float set of type action

$\rightarrow$ **DoseStatus** query and set of type action

$\rightarrow$ **DoseStatusMessage** query and set of type action

$\rightarrow$ **DoseVarVolume** query and set of type action

$\rightarrow$ **DoseVolume** query and set of type action

$\rightarrow$ **DynamicArcCurrCPSSD** query of type action

$\rightarrow$ **DynamicBlocks** query and set of type bool

$\rightarrow$ **DynamicWedgeData** query of type action

$\rightarrow$ **ElectronApplicator** set of type action

$\rightarrow$ **ElectronApplicatorName** query and set of type action

$\rightarrow$ **ElectronDoseNormalization** query of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **EnergyList** query of type action

$\rightarrow$ **EquivalentSquare** query of type action

$\rightarrow$ **ExtendArcPastTarget** query and set of type float

$\rightarrow$ **ExtendBlockPlanePastTarget** query and set of type float

$\rightarrow$ **ExtendPastTarget** query and set of type float

$\rightarrow$ **FieldID** query and set of type action

$\rightarrow$ **FilmImageList** list of type FilmImage

$\rightarrow$ **FluenceFilterArray** query of type action

$\rightarrow$ **ForceRedisplay** set of type action

$\rightarrow$ **Gantry** query and set of type

$\rightarrow$ **GantryCanBeArc** query of type action

$\rightarrow$ **GantryIsArc** query of type action

$\rightarrow$ **GantryIsCCW** query and set of type

$\rightarrow$ **GantryLockedCheckDose** query of type action

$\rightarrow$ **GantryRange** query of type action

$\rightarrow$ **GantryRateIsDeliverable** query of type bool

$\rightarrow$ **GantryStop** query and set of type

$\rightarrow$ **GeometryDependency** query of type action

$\rightarrow$ **HEKEnabled** query and set of type bool

$\rightarrow$ **HasLockedWeights** query of type action

$\rightarrow$ **HasModifiers** query of type action

$\rightarrow$ **HasRelyOnObject** query of type action

$\rightarrow$ **IECCoords** subobject of type IECCoords

$\rightarrow$ **IMRTDirection** query and set of type EnumeratedList with labels

$\rightarrow$ **IMRTFilter** query and set of type EnumeratedList with labels

$\rightarrow$ **IMRTParameterList** query of type action

$\rightarrow$ **IMRTParameterType** query and set of type action

$\rightarrow$ **IMRTWedge** query and set of type EnumeratedList with labels

→ **IncDRRVolume** set of type action

→ **IncDRRVolumeNoUpdate** set of type action

→ **IncrementCArm** set of type action

→ **IncrementCollimator** set of type action

→ **IncrementCouch** set of type action

→ **IncrementGantry** set of type action

→ **IncrementGantryStop** set of type action

→ **IndJawsCheckDose** query of type action

→ **InitializeTPBForTool** set of type action

→ **InstallMachineVersion** set of type action

→ **InternalCollimator** query and set of type

→ **InternalCollimatorStop** query and set of type

→ **InternalCouch** query and set of type

→ **InternalCouchStop** query and set of type

→ **InternalGantry** query and set of type

→ **InternalGantryStop** query and set of type

→ **InvalidateAverageMonitorUnitDepthParameters** set of type action

→ **InvalidateCPManagerDose** set of type action

→ **InvalidateDose** set of type action

→ **InvalidateElectronDose** set of type action

→ **InvalidatePhotonDose** set of type action

→ **InvalidateStereoDose** set of type action

→ **IrregMonitorUnitColor** query of type action

→ **IrregMonitorUnitWithinLimits** query of type action

→ **IrregPointActualMonitorUnits** query and set of type float

→ **IrregPointChange** set of type action

→ **IrregPointList** list of type IrregPoint

→ **IrregPointMonitorUnits** query and set of type float

→ **IrregPointNumberOfFractions** query and set of type float

→ **IrregPointPrescribeOverall** query and set of type bool

→ **IrregPointPrescriptionDose** query and set of type float

→ **IrregPrescriptionDescription** query of type action

→ **IrregPrescriptionPointName** query and set of type ObjString

→ **IrregSimulatorSAD** set of type action

→ **IrregSpecifyMonitorUnits** query and set of type bool

→ **IsBolussed** query of type action

→ **IsCollimatorStartStopLocked** query and set of type

→ **IsCompensatorValidForProton** query of type action

→ **IsComputedWithPoi** query of type action

→ **IsConformalArc** query of type action

→ **IsCouchStartStopLocked** query and set of type

→ **IsDosePending** query of type action

→ **IsDoseValid** query of type action

→ **IsDynamicArc** query of type action

→ **IsElectronDoseValid** query of type action

→ **IsGantryStartStopLocked** set of type action

→ **IsLeftRightIndependent** query and set of type

→ **IsMachineProtonOrPhoton** query of type action

→ **IsOkForClinicalUse** query of type action

→ **IsOptimizedDynamicArc** query of type action

→ **IsPhotonDoseValid** query of type action

→ **IsProtonBeam** query of type action

→ **IsQABeam** query and set of type bool

→ **IsRVXIndependent** query of type action

→ **IsRVYIndependent** query of type action

→ **IsStereoDoseValid** query of type action

→ **IsTopBottomIndependent** query and set of type

→ **IsWedgeValid** query of type action

→ **IsWeightLocked** query and set of type bool

→ **IsoInLocalizerCoords** subobject of type Poi

→ **Isocenter** subobject of type Poi

→ **IsocenterName** query and set of type action

→ **JawsConformance** query and set of type

→ **LaserCoord** query and set of type action

→ **LaserDescr** query of type action

→ **LaserLabel** query of type action

→ **LaserMotionDirection** set of type action

→ **LaserXDirectionList** query and set of type EnumeratedList with labels

→ **LaserYDirectionList** query and set of type EnumeratedList with labels

→ **LaserZDirectionList** query and set of type EnumeratedList with labels

→ **LeafSpeedIsDeliverable** query of type bool

→ **LeftAutoSurroundMargin** query and set of type float

→ **LeftJawMax** query of type action

→ **LeftJawMin** query of type action

→ **LeftJawPosition** query and set of type

→ **LeftRightJawWidth** query and set of type

→ **LoadNewTrayFactor** query and set of type bool

→ **LocalizationValid** query of type bool

→ **LocalizationValidColor** query of type action

→ **LocalizerList** set of type action

→ **MCDoseCallback** set of type action

→ **MLCDisplayBlockContourList** list of type CurveNd

→ **MLCError** query and set of type

→ **MLCInfo** query and set of type

- → **MLCLeafModified** set of type action
- → **MLCLeafPositions** query and set of type
- → **MLCLeavesCannotBeEditedWhenExtraLeafPairsOpen** query of type action
- → **MLCPushMethod** query and set of type
- → **MLCSegmentIndex** query and set of type int
- → **MLCSegmentList** query and set of type
- → **MLCTransForDisplay** query and set of type
- → **MLCTransmissionHasMeaning** query of type action
- → **MLCTransmissionIfValid** query and set of type
- → **Machine** subobject of type Machine
- → **MachineAddress** query of type action
- → **MachineBroker** subobject of type MachineBroker
- → **MachineEnergy** subobject of type MachineEnergy
- → **MachineEnergyName** query and set of type action
- → **MachineName** query and set of type action
- → **MachineNameAndVersion** query and set of type action
- → **MakeAllModifiersManual** set of type action
- → **MakeIsocenterCurrent** set of type action
- → **MaxMLCLeafPosition** query of type action
- → **MeanCentralAxisDepth** query and set of type float
- → **MeanRadCentralAxisDepth** query and set of type float
- → **MeanRadRefPointDepth** query and set of type float
- → **MeanRefPointDepth** query and set of type float
- → **MessageBatch** query and set of type bool
- → **MinMLCLeafPosition** query of type action
- → **Modality** query and set of type action
- → **ModifierChange** set of type action
- → **ModifierDisplayChange** set of type action
- → **ModifierList** query and set of type
- → **ModifierOutput** query and set of type
- → **MonitorUnitColor** query of type action
- → **MonitorUnitInfo** subobject of type BeamMonitorUnitInfo
- → **MonitorUnitWithinLimits** query of type action
- → **MonitorUnits** query of type action set of type float
- → **MonitorUnitsApproximate** query of type action set of type bool
- → **MonitorUnitsInvalid** query of type action
- → **MonitorUnitsPerDegree** query of type action
- → **MonitorUnitsValid** query and set of type bool
- → **Name** query and set of type ObjString
- → **NewVersionMachine** query and set of type bool
- → **NormalizeToODM** set of type action
- → **NormalizedDoseScalar** query of type action

→ **ODM** subobject of type ODM

→ **ODMInfo** query and set of type action

→ **ODMOutput** set of type action

→ **ObjectVersion** subobject of type ObjectVersion

→ **OkToEditControlPoints** query of type action

→ **OkToEditMLCPositions** query of type action

→ **OnlyNewMachineExists** query and set of type bool

→ **OpenExtraLeafPairs** query and set of type

→ **OpenLeafPairsForSiemens** set of type action

→ **OpenMLCLeaves** set of type action

→ **Oppose** query and set of type

→ **OpposeTable** query and set of type

→ **OppositeSSD** query of type action

→ **OppositeSSDLabel** query of type action

→ **OutputDynamicArcTestData** query of type float set of type action

→ **ParScientificEnabled** query and set of type bool

→ **PhilipsMLCBeamNumber** query and set of type EnumeratedList with labels

→ **PhilipsMLCTreatment** query and set of type EnumeratedList with labels

→ **PhotonDoseNormalization** query of type action

→ **PhotonModelDescription** query and set of type ObjString

→ **PhysicsMode** query and set of type bool

→ **Prescription** set of type action

→ **PrescriptionList** query and set of type

→ **PrescriptionListObject** query of type pointer set of type action

→ **PrescriptionName** query and set of type action

→ **PrescriptionPoint** set of type action

→ **PrescriptionPointDepth** query and set of type float

→ **PrescriptionPointName** query and set of type action

→ **PrescriptionPointWorldCoords** query of type action

→ **PrescriptionPointXOffset** query and set of type float

→ **PrescriptionPointYOffset** query and set of type float

→ **PrevAllowJawMotionExist** query of type action

→ **PrevAllowSplitBeamExist** query of type action

→ **PrevBeamType** query and set of type EnumeratedList with labels

→ **PrevIMRTParameterType** query and set of type action

→ **PreventRedundantMUErrorMessages** query and set of type bool

→ **ProfileList** query and set of type

→ **ProtonBeam** subobject of type NullObject

→ **ProtonManager** query and set of type

→ **PushMLCLeavesToBlock** query and set of type

→ **PushMLCLeavesToJaws** query and set of type

→ **PushMLCLeavesToJawsCenter** query and set of type

→ **RVX1JawPosition** query of type action

→ **RVX2JawPosition** query of type action

→ **RVY1JawPosition** query of type action

→ **RVY2JawPosition** query of type action

→ **RecomputeSSD** set of type action

→ **RecomputeSSDIfInvalid** set of type action

→ **RedisplayBevIfNecessary** set of type action

→ **RelyOnBolusList** query and set of type

→ **RelyOnBolusNames** query and set of type action

→ **RelyOnList** query and set of type

→ **RemoveCurrentModifier** set of type action

→ **RemoveWindowId** set of type action

→ **RenderImage** set of type action

→ **RightAutoSurroundMargin** query and set of type float

→ **RightJawMax** query of type action

→ **RightJawMin** query of type action

→ **RightJawPosition** query and set of type

→ **RotationIndicatorOffset** query and set of type float

→ **SSD** query of type action

→ **SSDLabel** query of type action

→ **SSDValid** query and set of type bool

→ **SSDWithBolus** query of type action

→ **SaveIMRTParameters** set of type action

→ **SetBeamType** set of type action

→ **SetJawsBehaviorWithNewVersionMachine** set of type action

→ **SetSSD** set of type action

→ **SetSharedModifierList** set of type action

→ **SetupDependencies** set of type action

→ **ShowStoreCPDoseButton** query of type action

→ **SolidMLCDisplay** query and set of type bool

→ **SortedDisplayList** list of type BeamDisplay

→ **SpecifyDosePerMuAtPrescriptionPoint** query and set of type bool

→ **SpeedUpCollimator** query and set of type bool

→ **SpeedUpVirtFlouro** query and set of type bool

→ **StandardOrientation** query of type ObjString set of type action

→ **StandardOrientationList** query of type action

→ **StereoDoseAtIso** query of type action

→ **StereoDoseDiValue** query and set of type float

→ **StereoDosePerMULookup** query and set of type float

→ **TPBDoseCalculator** subobject of type TPBDoseCalculator

→ **TPBDoseNormalization** query of type action

→ **TableOrLaserMotion** query of type action

- $\rightarrow$ **TarTable** subobject of type AnnotatedCurve
- $\rightarrow$ **TestMLCLimit** query and set of type
- $\rightarrow$ **ToggleWedgeOrientation** query and set of type
- $\rightarrow$ **TopAutoSurroundMargin** query and set of type float
- $\rightarrow$ **TopBottomJawHeight** query and set of type
- $\rightarrow$ **TopJawMax** query of type action
- $\rightarrow$ **TopJawMin** query of type action
- $\rightarrow$ **TopJawPosition** query and set of type
- $\rightarrow$ **ToshibaMLCBeamNumberString** query and set of type ObjString
- $\rightarrow$ **ToshibaMLCPlanNumber** query and set of type EnumeratedList with labels
- $\rightarrow$ **TraverseCurrentBolus** query and set of type action
- $\rightarrow$ **TrayFactor** query and set of type action
- $\rightarrow$ **TrayFactorHasMeaning** query of type action
- $\rightarrow$ **TrayFactorIfValid** query of type action set of type float
- $\rightarrow$ **TrayNumber** query and set of type ObjString
- $\rightarrow$ **TrayNumberIfValid** query of type action set of type string
- $\rightarrow$ **UndergoingIMRT** query and set of type bool
- $\rightarrow$ **UndergoingMC** query and set of type bool
- $\rightarrow$ **UniqueName** set of type action
- $\rightarrow$ **UnitTest** query and set of type bool
- $\rightarrow$ **UpdateLockJaws** set of type action
- $\rightarrow$ **UpdateRevForNewBeam** set of type action
- $\rightarrow$ **UseDensityGridForSSD** query and set of type
- $\rightarrow$ **UseMLC** query of type bool set of type action
- $\rightarrow$ **UsePoiForPrescriptionPoint** query and set of type bool
- $\rightarrow$ **UseVerticalMLC** query of type action
- $\rightarrow$ **VisOnlyHeteroDoseOK** query and set of type bool
- $\rightarrow$ **Wedge** query and set of type
- $\rightarrow$ **WedgeAngle** query and set of type
- $\rightarrow$ **WedgeChange** set of type action
- $\rightarrow$ **WedgeContext** query and set of type
- $\rightarrow$ **WedgeDisplayChange** set of type action
- $\rightarrow$ **WedgeName** query and set of type
- $\rightarrow$ **WedgeOffsetDistance** query and set of type
- $\rightarrow$ **WedgeOffsetList** query and set of type
- $\rightarrow$ **WedgeOffsetOrigin** query and set of type
- $\rightarrow$ **WedgeOrientation** query and set of type
- $\rightarrow$ **WedgeOrientationLabel** query and set of type
- $\rightarrow$ **WedgeRotation** query and set of type
- $\rightarrow$ **Weight** query and set of type action
- $\rightarrow$ **WeightLocked** query and set of type bool
- $\rightarrow$ **WriteDoseCliffBinary** query and set of type bool

BeamMonitorUnitInfo

→ **BlockedEquivSquareLocation** query and set of type

→ **BlockedFieldAreaAtSAD** query and set of type float

→ **BlockedFieldPerimeterAtSAD** query and set of type

→ **CollimatorOutputFactor** query and set of type float

→ **DepthToActualPoint** query of type action set of type float

→ **EquivalentBlockedSquare** query of type action

→ **EquivalentUnblockedSquare** query of type action

→ **IntersectEquivalentSquare** query of type action

→ **IntersectFieldAreaAtSAD** query and set of type float

→ **Invalidate** set of type action

→ **NormalizedDose** query and set of type float

→ **OFMeasurementDepth** query and set of type float

→ **OffAxisRatio** query and set of type float

→ **OutputFactorInfo** query and set of type ObjString

→ **OutputFactorValid** query and set of type

→ **PercentBlocked** query of type action

→ **PercentIntersect** query of type action

→ **PhantomOutputFactor** query and set of type float

→ **PrescriptionDose** query of type action set of type float

→ **PrescriptionPointDepth** query and set of type float

→ **PrescriptionPointOffAxisDistance** query and set of type float

→ **PrescriptionPointRadDepth** query of type action set of type float

→ **PrescriptionPointRadDepthValid** query and set of type bool

→ **RadDepthToActualPoint** query of type action set of type float

→ **RelativeOutputFactor** query and set of type float

→ **SSDToActualPoint** query and set of type float

→ **SourceToPrescriptionPointDistance** query and set of type float

→ **TissuePhantomRatio** query and set of type

→ **TotalTransmissionFraction** query and set of type float

→ **TransmissionDescription** query and set of type ObjString

→ **UnblockedEquivSquareLocation** query and set of type

→ **UnblockedFieldAreaAtSAD** query and set of type float

→ **UnblockedFieldPerimeterAtSAD** query and set of type float

BeamPoiWeightOptimizer

→ **Grouping** query and set of type EnumeratedList with labels

→ **ModifyPrescription** query and set of type bool

→ **NegativeMUPenalty** query and set of type float

→ **NumberOfBeamsPenalty** query and set of type float

→ **Optimize** set of type action

→ **PointList** list of type PoiPrescription

→ **SimplexOptimizer** subobject of type SimplexOptimizer

→ **Trial** subobject of type Trial

BeamSpectrum

- → **AddPoint** set of type action
- → **ColumnFormat** query of type action
- → **ColumnHeader** query of type action
- → **CopyPublished** set of type action
- → **DeleteRow** set of type action
- → **HVL** query and set of type
- → **InsertRowAfter** set of type action
- → **InsertRowBefore** set of type action
- → **MapParametricCurveToSpectrumData** set of type action
- → **MeanEnergy** query of type action
- → **MeanEnergyData** query of type action
- → **MeanEnergyDataPlotStyle** subobject of type PlotStyle
- → **MeanEnergyParam** query of type action
- → **ModificationDependency** query of type action
- → **Name** query and set of type ObjString
- → **NominalEnergy** query and set of type
- → **NumColumns** query and set of type
- → **NumRows** query and set of type
- → **NumberOfPoints** query and set of type
- → **ParameterizeTheSpectrum** set of type action
- → **ParameterizedData** subobject of type CurveNd
- → **PlotStyle** subobject of type PlotStyle
- → **SofteningControlParam1** query and set of type float
- → **SofteningControlParam2** query and set of type float
- → **SpectrumData** subobject of type CurveNd
- → **ValidForComputation** query of type action
- → **Value** set of type action
- → **X** query and set of type
- → **Y** query and set of type

BeamSplitter

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **CurrentOverlapMethod** query and set of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **LeafEdgeOverlap** query and set of type float

$\rightarrow$ **MaximumOverlap** query and set of type float

$\rightarrow$ **MinimumOverlap** query and set of type float

$\rightarrow$ **OverlapMethodList** query of type StringList

$\rightarrow$ **SplitAllBeams** set of type action

$\rightarrow$ **SplitBeam** set of type int

$\rightarrow$ **SplitCurrentBeam** set of type action

BeamWindow

- → **AllowViewManipulation** query of type action
- → **BEVPercentOfArc** query of type action
- → **BEVSegmentIndex** query of type action
- → **BRVBottomTopLabel** query of type action
- → **BRVCenter** query and set of type
- → **BRVFrontBackLabel** query of type action
- → **BRVIncrementSlice** set of type action
- → **BRVIndex** query and set of type int
- → **BRVIsFrontBack** query of type action
- → **BRVLeftRightLabel** query of type action
- → **BRVOffset** query and set of type action
- → **BRVOffsetAsFraction** query and set of type action
- → **BRVOrientation** query and set of type action
- → **BRVOrientationList** query of type action
- → **BRVRange** query and set of type float
- → **BRVRotationAngle** query and set of type float
- → **BRVSavedAngles** query and set of type int
- → **BRVSavedCouch** query and set of type float
- → **BRVSavedGantry** query and set of type float
- → **BRVStepSize** query and set of type float
- → **BRVWindowLabel** query of type action
- → **BackgroundColor** query and set of type int
- → **Beam** query and set of type
- → **BeamObject** query of type pointer set of type action
- → **BevGridColor** query and set of type ObjString
- → **BevGridResolution** query and set of type float
- → **BevGridStyle** query and set of type EnumeratedList with labels
- → **BevWindowId** query and set of type int
- → **BevWindowName** query of type action
- → **CancelBev** set of type action
- → **DRRValid** query and set of type action
- → **Display2dBevFirstOrder** query and set of type bool
- → **Display2dBevOffset** query and set of type float
- → **DisplayBevGrid** query and set of type bool
- → **DisplayOtherBeams** query and set of type bool
- → **FilmImageIndex** query and set of type int
- → **IsDrrOrDcr** query of type action
- → **NeedToRender** query and set of type bool
- → **OverrideRender** query of type action
- → **RemoveViewController** set of type action
- → **RenderDRRImageIfNecessary** set of type action

$\rightarrow$ **RenderImage** set of type action

$\rightarrow$ **RenderImageIfNecessary** set of type action

$\rightarrow$ **SetBeamDRRVolume** set of type action

$\rightarrow$ **SetupBev** set of type action

$\rightarrow$ **SetupCPImageBev** set of type action

$\rightarrow$ **SetupImageBev** set of type action

$\rightarrow$ **Type** query and set of type EnumeratedList with labels

$\rightarrow$ **UpdateDisplayOnDestruction** query and set of type bool

$\rightarrow$ **UpdateRoomsEyeView** set of type action

$\rightarrow$ **UseHighQuality** query and set of type bool

$\rightarrow$ **WindowId** query and set of type int

$\rightarrow$ **WindowTypeNoREVList** query and set of type StringList

BeamlineCrossSection

$\rightarrow$ **InnerXHalfWidth** query of type float set of type action

$\rightarrow$ **InnerYHalfWidth** query of type float set of type action

$\rightarrow$ **IsElliptical** query and set of type bool

$\rightarrow$ **IsRectangular** query and set of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **OuterXHalfWidth** query of type float set of type action

$\rightarrow$ **OuterYHalfWidth** query of type float set of type action

$\rightarrow$ **ScaleFactor** query and set of type float

$\rightarrow$ **ScaleInnerDimToFieldSize** query and set of type bool

$\rightarrow$ **ScaleOuterDimToFieldSize** query and set of type bool

BeamlineSource

→ **ApplyFermiEygesScattering** query and set of type bool

→ **ApplyXYBlur** query and set of type bool

→ **ApplyZBlur** query and set of type bool

→ **FermiEygesNonAirFactor** query and set of type float

→ **HasWeight** query of type action

→ **InitialParticleWeight** query and set of type float

→ **MaxPolarAngle** query and set of type float

→ **ModificationDependency** query of type action

→ **Name** query and set of type ObjString

→ **ParticleType** query and set of type EnumeratedList with labels

→ **ParticlesPerSample** query of type action

→ **PolarAngleInverseVariance** query and set of type float

→ **PolarFalloffExponent** query and set of type float

→ **SamplingPlaneRegion** subobject of type BeamlineCrossSection

→ **SamplingPlaneZPosition** query and set of type float

→ **SourceVolCrossSection** subobject of type BeamlineCrossSection

→ **SourceVolMinZ** query and set of type float

→ **SourceVolZLength** query and set of type float

→ **Spectrum** subobject of type MCSpectrum

→ **StandardSamplingPlaneOuterXHalfWidth** query of type action

→ **StandardSamplingPlaneOuterYHalfWidth** query of type action

→ **StandardSamplingPlaneScaleFactor** query of type action

→ **StandardSamplingPlaneZPosition** query of type action

→ **StandardSourceZPosition** query of type action

→ **Type** query of type int

→ **TypeName** query of type string

→ **UseRetrospectiveSampling** query and set of type bool

→ **Weight** query and set of type float

→ **XYBlurFWHM** query and set of type float

→ **ZBlurFWHM** query and set of type float

BinDesc

- $\rightarrow$ **BinBounds** query and set of type action

- $\rightarrow$ **BinCount** query of type int set of type action

- $\rightarrow$ **IndicesInverted** query and set of type int

- $\rightarrow$ **RegularBins** query and set of type int

BinaryVolume

→ **BinaryData** query and set of type action

→ **BinaryDataHasBeenRead** query and set of type bool

→ **EdgeCheckTransverseOnly** query and set of type bool

→ **EdgeVoxelWeight** query and set of type float

→ **InnerVoxelWeight** query and set of type float

→ **XDim** query and set of type int

→ **XMax** query and set of type int

→ **XMin** query and set of type int

→ **YDim** query and set of type int

→ **YMax** query and set of type int

→ **YMin** query and set of type int

→ **ZDim** query and set of type int

→ **ZMax** query and set of type int

→ **ZMin** query and set of type int

BioEval

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

BioResponse

- → **AlphaBetaRatio** query and set of type float
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **D50** query and set of type float
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Gamma** query and set of type float
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **Name** query and set of type string
- → **Reference** query and set of type string
- → **Seriality** query and set of type float

Bolus

- → **AddToDisplayList** set of type action

- → **ApplyBoundingBox** query and set of type bool

- → **BBDependency** query and set of type pointer

- → **BackPlaneDepth** query and set of type

- → **BeamDependencyList** query of type action

- → **BeginMessageBatch** set of type action

- → **BolusCreationView** query and set of type EnumeratedList with labels

- → **BolusROI** subobject of type RegionOfInterest

- → **BoundingBox** subobject of type BoundingBox

- → **BoxSize** query and set of type action

- → **BuildingBolusMessage** query of type action

- → **CanBeDeleted** query of type action

- → **CancelBolusCreation** query and set of type bool

- → **CheckDose** query of type action

- → **CheckName** query of type action

- → **CleanAndDelete** set of type action

- → **Color** query and set of type action

- → **Contour** subobject of type CurvePainter

- → **ConvertedToVariable** query and set of type bool

- → **CreateBolus** set of type action

- → **CreatingBolus** query and set of type bool

- → **DeleteInferiorEndCurve** set of type action

- → **DeleteSuperiorEndCurve** set of type action

- → **Density** query of type float set of type action

- → **DisplacementX** query and set of type

- → **DisplacementY** query and set of type

- → **Display2d** query and set of type action

- → **Display3d** query and set of type action

- → **DisplayBoundingBox** query and set of type bool

- → **DisplayCallback** set of type action

- → **DisplayDependency** query of type action

- → **EditROI** subobject of type RegionOfInterest

- → **EncompassData** query of type bool set of type action

- → **EndMessageBatch** set of type action

- → **EnforceValidity** set of type action

- → **Height** query and set of type

- → **InferiorDistance** query and set of type float

- → **InferiorEndPosition** query of type action

- → **IsConstant** query of type bool set of type action

- → **IsValid** query of type action

- → **Line2dWidth** query and set of type action

- → **Material** query of type ObjString set of type action
- → **ModificationDependency** query of type action
- → **Name** query and set of type ObjString
- → **NumVoxelsSet** query and set of type
- → **OKForPaintBrushTool** query of type action
- → **PolyReduction** query and set of type
- → **ROINumber** query and set of type action
- → **RedrawBinaryVolume** set of type action
- → **RemoveBEVContour** set of type action
- → **RemoveFromDisplayList** set of type action
- → **SelectedSliceIndex** query and set of type int
- → **SelectedUserSliceNumber** query of type action
- → **SetBolusCreationView** set of type action
- → **SuperiorDistance** query and set of type float
- → **SuperiorEndPosition** query of type action
- → **Thickness** query and set of type float
- → **TraverseCurrentBeam** query and set of type bool
- → **Type** query and set of type
- → **VolumeToWorldTransform** query and set of type
- → **VolumeValid** query of type bool set of type action
- → **VoxelDimX** query and set of type
- → **VoxelDimY** query and set of type
- → **VoxelDimZ** query and set of type
- → **Width** query and set of type
- → **WorldToVolumeTransform** query and set of type
- → **XOrigin** query and set of type action
- → **XSize** query and set of type action
- → **YOrigin** query and set of type action
- → **YSize** query and set of type action
- → **ZOrigin** query and set of type action
- → **ZSize** query and set of type action

BoundingBox

- → **CenterLock** query and set of type bool
- → **Color** query and set of type ObjString
- → **CopyBB** set of type action
- → **Display** set of type action
- → **DisplayXOrigin** query and set of type action
- → **DisplayYOrigin** query and set of type action
- → **DisplayZOrigin** query and set of type action
- → **DoNotUpdate** query and set of type bool
- → **Origin** subobject of type Point
- → **SetToVolume** set of type action
- → **Size** subobject of type Point
- → **SlabCenter** set of type action
- → **SlabMode** query and set of type bool
- → **SlabNormal** set of type action
- → **SlabThickness** query of type float set of type action
- → **XOrigin** query and set of type action
- → **XSize** query and set of type action
- → **YOrigin** query and set of type action
- → **YSize** query and set of type action
- → **ZOrigin** query and set of type action
- → **ZSize** query and set of type action

BrachyDB

$\rightarrow$ **AddIsotopeList** list of type Isotope

$\rightarrow$ **BrachyTemplateList** list of type BrachyTemplate

$\rightarrow$ **BuildVersionIsotopeList** set of type action

$\rightarrow$ **CommissionFailureDescription** query and set of type ObjString

$\rightarrow$ **CommissionIsotope** set of type action

$\rightarrow$ **CopyCurrentAddIsotope** set of type action

$\rightarrow$ **CopyLocatedIsotope** set of type action

$\rightarrow$ **CreateDefaultIsotope** set of type action

$\rightarrow$ **CurrentIsotopeList** query and set of type EnumeratedList with labels

$\rightarrow$ **DeleteReadOnlyIsotope** set of type action

$\rightarrow$ **InstallROIsotopeList** set of type action

$\rightarrow$ **InstallRWIsotopeList** set of type action

$\rightarrow$ **IsotopeLocator** subobject of type FileList

$\rightarrow$ **LoadBrachyTemplateList** set of type action

$\rightarrow$ **LocatedIsotopeIsValid** query and set of type bool

$\rightarrow$ **LocatedIsotopePath** query and set of type ObjString

$\rightarrow$ **NameAndVersion** query and set of type ObjString

$\rightarrow$ **ReadIsotopeNameAndVersion** set of type action

$\rightarrow$ **ReadOnlyDeletedIsotopeList** list of type Isotope

$\rightarrow$ **ReadOnlyIsotopeList** list of type Isotope

$\rightarrow$ **ReadWriteDeletedIsotopeList** list of type Isotope

$\rightarrow$ **ReadWriteIsotopeList** list of type Isotope

$\rightarrow$ **SaveBrachyTemplateList** set of type action

$\rightarrow$ **SaveIsotopeData** query and set of type bool

$\rightarrow$ **SaveRWIsotopeList** set of type action

$\rightarrow$ **SetAddIsotopeListToCurrent** set of type action

$\rightarrow$ **UndeleteReadOnlyIsotope** set of type action

$\rightarrow$ **UniqueIsotopeList** list of type Isotope

$\rightarrow$ **VersionIsotopeList** list of type Isotope

BrachyFilm

$\rightarrow$ **Collimator** query and set of type float

$\rightarrow$ **Couch** query and set of type float

$\rightarrow$ **Gantry** query and set of type float

$\rightarrow$ **MachineObject** query and set of type pointer

$\rightarrow$ **Magnification** query and set of type action

$\rightarrow$ **MarkerHasBeenRead** query and set of type bool

$\rightarrow$ **MarkerX** query and set of type float

$\rightarrow$ **MarkerY** query and set of type float

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **SAD** query of type float set of type action

$\rightarrow$ **SFD** query and set of type float

$\rightarrow$ **ShiftDistance** query and set of type float

$\rightarrow$ **Target** subobject of type AnnotatedCurve

BrachyManager

- → **AddCatheter** set of type action
- → **AddCatheterSource** set of type action
- → **AddCatheterSourceList** query and set of type EnumeratedList with labels
- → **AddNewSourceGroup** set of type action
- → **AddRowMakeCurrent** set of type action
- → **BrachyFilm1** subobject of type BrachyFilm
- → **BrachyFilm2** subobject of type BrachyFilm
- → **BrachyLayout** query and set of type EnumeratedList with labels
- → **BrachyPPPLayout** query and set of type EnumeratedList with labels
- → **CatheterDisplay2d** query and set of type bool
- → **CatheterDisplay3d** query and set of type bool
- → **CatheterList** list of type Catheter
- → **CatheterRotate** set of type action
- → **CheckReconstructionType** set of type action
- → **ClearCurrentPoint** set of type action
- → **ColumnFormat** query of type action
- → **ColumnHeader** query of type action
- → **CommonAxisErrorTolerance** query and set of type float
- → **ConfirmCoordSysChange** query of type action
- → **ConfirmMarkerInvalidate** query of type action
- → **ConfirmMarkerValid** query of type action
- → **CopyCatheter** set of type action
- → **CopyLoading** set of type action
- → **CreateCatheterTemplate** set of type action
- → **CurrentBrachyFilm** query and set of type int
- → **CurrentDimension** query and set of type int
- → **CurrentPoint** query and set of type action
- → **DefaultSegmentTipTineLength** query and set of type float
- → **DeleteAllTargetPoints** set of type action
- → **DeleteRow** set of type action
- → **DigitizedMarker** set of type action
- → **DigitizedValue** set of type action
- → **DoseInvalidWhileFiling** query and set of type bool
- → **DoubleLoadBase** query and set of type bool
- → **DoubleLoadTip** query and set of type bool
- → **DrawCurrentCathOnly** query and set of type bool
- → **Empty** query of type action
- → **EmptyCellsExist** query of type action
- → **EndMessageBatch** set of type action
- → **Film0IsCurrent** query and set of type action
- → **FilmAP** query and set of type bool

$\rightarrow$ **FilmRL** query and set of type bool

$\rightarrow$ **FilmReconstructionList** query and set of type EnumeratedList with labels

$\rightarrow$ **FirstEmptyRowTargetName** query of type action

$\rightarrow$ **HighlightCurrentCath** query and set of type bool

$\rightarrow$ **HighlightCurrentSource** query and set of type bool

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **InterSourceSpace** query and set of type float

$\rightarrow$ **IsAllCatheters** query and set of type bool

$\rightarrow$ **IsCatheterCoordinates** query and set of type bool

$\rightarrow$ **IsCatheterReconstruction** query of type action

$\rightarrow$ **IsCurveAndNewCath** query of type action

$\rightarrow$ **IsCurveReconstruction** query of type action

$\rightarrow$ **IsOrthogonalReconstruction** query of type action

$\rightarrow$ **IsSeedReconstruction** query of type action

$\rightarrow$ **IsSimulatorReconstruction** query of type action

$\rightarrow$ **IsSourceOrSeedReconstruction** query of type action

$\rightarrow$ **IsSourceReconstruction** query of type action

$\rightarrow$ **IsStereoShiftReconstruction** query of type action

$\rightarrow$ **LaunchCatheterWindow** set of type action

$\rightarrow$ **LaunchSourceWindow** set of type action

$\rightarrow$ **LoadCatheter** set of type action

$\rightarrow$ **LoadSeedArray** set of type action

$\rightarrow$ **MachineName** set of type action

$\rightarrow$ **MachineNameAndVersion** query and set of type action

$\rightarrow$ **MachineObject** query and set of type pointer

$\rightarrow$ **MakeFirstEmptyRowCurrent** set of type action

$\rightarrow$ **MakePreviousRowCurrent** set of type action

$\rightarrow$ **MarkerValid** query and set of type bool

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **NumColumns** query of type action

$\rightarrow$ **NumRows** query of type action

$\rightarrow$ **NumberOfSourcesToLoad** query and set of type float

$\rightarrow$ **OKToDeleteSources** query of type action

$\rightarrow$ **ProcessNewSource** set of type action

$\rightarrow$ **ReconstructMarker** set of type action

$\rightarrow$ **ReconstructionErrorTolerance** query and set of type float

$\rightarrow$ **ReconstructionList** list of type BrachyReconstruction

$\rightarrow$ **RemoveAllCatheterSources** set of type action

$\rightarrow$ **RemoveAllCatheters** set of type action

$\rightarrow$ **RemoveAllSources** set of type action

$\rightarrow$ **RemoveAllSourcesInSeedArray** set of type action

→ **RemoveCatheter** set of type action

→ **RemoveSource** set of type action

→ **RotateAboutTip** query and set of type bool

→ **RotationLabel** query of type action

→ **RowHeader** query of type action

→ **SeedArray** subobject of type SeedArray

→ **SeedList** list of type Seed

→ **SeedsForAllCaths** query and set of type bool

→ **SelectionTolerance** query and set of type float

→ **SetCurrentFilmFromDigitizer** set of type action

→ **SourceGroupList** list of type SeedGroup

→ **SourceIsGloballyCurrent** query of type action

→ **SourceList** list of type Seed

→ **SourcePositionList** query and set of type EnumeratedList with labels

→ **SpecifiedMarkerX** query and set of type float

→ **SpecifiedMarkerY** query and set of type float

→ **SpecifiedMarkerZ** query and set of type float

→ **StereoShiftEnabled** query and set of type bool

→ **StereoShiftIsVertical** query and set of type bool

→ **TargetReconstructionList** query and set of type EnumeratedList with labels

→ **TemplateAutoLoadCatheters** query and set of type bool

→ **TemplateCatheterLength** query and set of type float

→ **TemplateColumnSpace** query and set of type float

→ **TemplateColumns** query and set of type int

→ **TemplateGuideCathCentered** query and set of type bool

→ **TemplateOffsetGap** query and set of type bool

→ **TemplateRowSpace** query and set of type float

→ **TemplateRows** query and set of type int

→ **TipToFirstSourceSpace** query and set of type float

→ **ToggleCurrentBrachyFilm** set of type action

→ **Transform** subobject of type Transform

→ **UpdateFilmNames** set of type action

→ **UpdateTargetPoints** query of type action

→ **UpdateTargetType** set of type action

→ **ValidateTargetType** set of type action

→ **Value** query and set of type action

→ **WorldOriginPOI** subobject of type Poi

→ **XRotationDegrees** query and set of type float

→ **XTranslationLabel** query of type action

→ **YRotationDegrees** query and set of type float

→ **YTranslationLabel** query of type action

→ **ZRotationDegrees** query and set of type float

→ **ZTranslationLabel** query of type action

BrachyReconstruction

> → **CatheterName** query and set of type ObjString

> → **Error** query and set of type float

> → **PoiName** query and set of type ObjString

> → **RoiName** query and set of type ObjString

> → **SourceName** query and set of type ObjString

BrachyTemplate

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **ColumnLabelList** list of type SimpleString

$\rightarrow$ **ColumnSpacing** query and set of type float

$\rightarrow$ **DefaultFrontPlaneOffset** query and set of type float

$\rightarrow$ **DefaultXPosition** query and set of type float

$\rightarrow$ **DefaultYPosition** query and set of type float

$\rightarrow$ **DepthSpacing** query and set of type float

$\rightarrow$ **EndMessageBatch** query and set of type bool

$\rightarrow$ **Format** query and set of type action

$\rightarrow$ **FormatIsCustom** query of type action

$\rightarrow$ **FormatList** query and set of type StringList

$\rightarrow$ **MaxDepth** query and set of type float

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NumberOfColumns** query and set of type int

$\rightarrow$ **NumberOfRows** query and set of type int

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **Reformat** set of type action

$\rightarrow$ **RowLabelList** list of type SimpleString

$\rightarrow$ **RowSpacing** query and set of type float

Browser

→ **Object** query and set of type

→ **RootKey** query and set of type ObjString

CPManager

- → **AllCPDoseValid** query and set of type action
- → **AllCPDoseValidOrWeightZero** query of type action
- → **AllowWeightChange** query and set of type bool
- → **AnyODMModifiedSinceOptimization** query of type action
- → **AnyODMsValid** query of type action
- → **AreThereClosedLeafPairsInTheField** query of type action
- → **Beam** subobject of type Beam
- → **BeamAnglesEqualForAllCPs** query of type action
- → **BeamObject** subobject of type Beam
- → **BeginMessageBatch** query and set of type bool
- → **BottomJawPosition** query and set of type action
- → **BottomMLCPosition** query and set of type action
- → **CArmAngle** query and set of type action
- → **CPManagerObject** query and set of type action
- → **CheckJawValidityWithWedge** set of type action
- → **ClosedLeafPairsMaxPosition** query and set of type float
- → **ClosedLeafPairsMinPosition** query and set of type float
- → **Collimator** query and set of type action
- → **CollimatorDependency** query of type action
- → **CollimatorStop** query and set of type action
- → **ComputeClosedLeafPairsPositions** query of type action
- → **ComputeDoseFromODM** query and set of type bool
- → **ControlPointList** list of type ControlPoint
- → **Couch** query and set of type action
- → **CouchDependency** query of type action
- → **CouchStop** query and set of type action
- → **DoAutoSurround** set of type action
- → **DoAutoSurroundMLC** set of type action
- → **DoseSummationType** query and set of type int
- → **DrawCArm** query and set of type action
- → **DrawCollimator** query and set of type action
- → **DrawCouch** query and set of type action
- → **DrawGantry** query and set of type action
- → **EndMessageBatch** set of type action
- → **EnforceMaxTipDiffOverall** set of type action
- → **EnforceMinDynamicLeafGap** set of type action
- → **EquivalentSquare** query of type action
- → **EquivalentSquareMLC** query of type action
- → **ForceAllCPDoseInvalid** set of type action
- → **Gantry** query and set of type action
- → **GantryDependency** query and set of type action

→ **GantryIsCCW** query and set of type bool

→ **GantryStop** query and set of type action

→ **GantryStopColor** query of type action

→ **HasMultiModels** query of type action

→ **InternalCollimator** query and set of type action

→ **InternalCollimatorStop** query and set of type action

→ **InternalCouch** query and set of type action

→ **InternalCouchStop** query and set of type action

→ **InternalGantry** query and set of type action

→ **InternalGantryStop** query and set of type action

→ **InvalidateCPDose** set of type action

→ **IsCollimatorStartStopLocked** query of type bool

→ **IsCouchStartStopLocked** query of type bool

→ **IsGantryStartStopLocked** query and set of type bool

→ **IsLeftRightIndependent** query of type bool set of type action

→ **IsTopBottomIndependent** query of type bool set of type action

→ **JawDependency** query of type action

→ **JawPositionsEqualForAllCPs** query of type action

→ **JawPositionsValid** query of type action

→ **JawsConformance** query and set of type EnumeratedList with labels

→ **LeafShiftConstant** query and set of type float

→ **LeafShiftLinear** query and set of type float

→ **LeafShiftQuadratic** query and set of type float

→ **LeftJawPosition** query and set of type action

→ **LeftMLCPosition** query and set of type action

→ **LeftRightJawWidth** query and set of type action

→ **LeftRightMLCFieldSize** query and set of type action

→ **LoadTrueOpeningDensityMatrix** set of type action

→ **MLCBestCollimatorAngle** query and set of type action

→ **MLCError** query and set of type action

→ **MLCErrorPerCollimator** query and set of type action

→ **MLCFieldBottomEdgeAllCPs** query of type action

→ **MLCFieldHeightAllCPs** query of type action

→ **MLCFieldLeftEdgeAllCPs** query of type action

→ **MLCFieldRightEdgeAllCPs** query of type action

→ **MLCFieldTopEdgeAllCPs** query of type action

→ **MLCFieldWidthAllCPs** query of type action

→ **MLCInfo** query and set of type action

→ **MLCMaxPosition** query and set of type action

→ **MLCMaxPositionAllCPs** query of type action

→ **MLCMinPosition** query and set of type action

→ **MLCMinPositionAllCPs** query of type action

- → **MLCOptimizeCollimatorAngle** set of type action
- → **MLCPlotStyle** query and set of type action
- → **MLCPushMethod** query and set of type EnumeratedList with labels
- → **MLCSegmentList** list of type ControlPoint
- → **MLCTransForDisplay** query and set of type action
- → **MLCTransmissionIfValid** query and set of type action
- → **MakeJawsStatic** set of type action
- → **MaxBottomJawPosition** query of type action
- → **MaxLeftJawPosition** query of type action
- → **MaxRightJawPosition** query of type action
- → **MaxTopJawPosition** query of type action
- → **MessageBatchMode** query of type action
- → **MinDynamicLeafGapMustBeEnforced** query of type action
- → **MinLeafGapToEnforce** query of type action
- → **ModifierDependency** query of type action
- → **ModifierList** query and set of type action
- → **NumberOfControlPoints** query and set of type action
- → **OpenExtraLeafPairs** set of type action
- → **Oppose** set of type action
- → **OpposeTable** set of type action
- → **PerformingAutoSurround** query and set of type float
- → **PushInFieldClosedLeafPairsBehindJaws** set of type action
- → **PushMLCLeavesToBlock** set of type action
- → **PushMLCLeavesToJaws** set of type action
- → **PushMLCLeavesToJawsCenter** set of type action
- → **RightJawPosition** query and set of type action
- → **RightMLCPosition** query and set of type action
- → **SetCArm** set of type action
- → **SetCollimator** set of type action
- → **SetCouch** set of type action
- → **SetGantry** set of type action
- → **SetWedge** set of type action
- → **StoreCPDose** query of type bool set of type action
- → **ToggleWedgeOrientation** set of type action
- → **TopBottomJawHeight** query and set of type action
- → **TopBottomMLCFieldSize** query and set of type action
- → **TopJawPosition** query and set of type action
- → **TopMLCPosition** query and set of type action
- → **UpdateControlPointWeights** set of type action
- → **UpdateMachineDependentAttributes** set of type action
- → **UserCanEditCPWeights** query of type action
- → **Wedge** query and set of type action

$\rightarrow$ **WedgeAngle** query and set of type action

$\rightarrow$ **WedgeContext** query and set of type action

$\rightarrow$ **WedgeIsValid** query of type action

$\rightarrow$ **WedgeName** query and set of type action

$\rightarrow$ **WedgeOffsetDistance** query and set of type action

$\rightarrow$ **WedgeOffsetList** query of type action

$\rightarrow$ **WedgeOffsetOrigin** query and set of type action

$\rightarrow$ **WedgeOrientation** query and set of type action

$\rightarrow$ **WedgeOrientationLabel** query of type action

$\rightarrow$ **WedgeRotation** query of type action

CTScanner

- → **CtToDensityTableName** query of type ObjString set of type action
- → **CtToStoppingPowerTableName** query of type ObjString set of type action
- → **DeleteCTScanner** set of type action
- → **HasAlignmentSystem** query of type action
- → **HasCalibrationTable** query of type action
- → **HasCtToDensityTable** query of type action
- → **HasCtToStoppingPowerTable** query of type action
- → **LaserAlignmentSystemName** query and set of type ObjString
- → **LaserCalibrationTableName** query of type ObjString set of type action
- → **Name** query and set of type ObjString
- → **PeakKVP** query and set of type ObjString
- → **ScannerManufacturer** query and set of type ObjString
- → **ScannerModel** query and set of type ObjString
- → **SetCTScanner** set of type action
- → **UsePeakKVP** query and set of type bool

CalibratedSource

$\rightarrow$ **CalibrationDate** subobject of type Time

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **SourceStrength** query and set of type float

$\rightarrow$ **StrengthUnits** query and set of type EnumeratedList with labels

CalypsoExport

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Export** set of type action

$\rightarrow$ **ExportFileList** subobject of type FileList

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **Isocenter** query and set of type string

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **Transponder1Label** query and set of type string

$\rightarrow$ **Transponder1Poi** query and set of type string

$\rightarrow$ **Transponder2Label** query and set of type string

$\rightarrow$ **Transponder2Poi** query and set of type string

$\rightarrow$ **Transponder3Label** query and set of type string

$\rightarrow$ **Transponder3Poi** query and set of type string

$\rightarrow$ **UnitTestMode** query and set of type bool

CalypsoUT

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

Catheter

→ **AddSegment** set of type action

→ **ArrayXIndex** query and set of type int

→ **ArrayYIndex** query and set of type int

→ **CatheterLength** query of type action

→ **Color** subobject of type Color

→ **DistanceToCurrentActiveBase** set of type action

→ **DistanceToCurrentActiveTip** set of type action

→ **DistanceToCurrentSourceBase** set of type action

→ **DistanceToCurrentSourceCenter** set of type action

→ **DistanceToCurrentSourceTip** set of type action

→ **DrawScale** set of type action

→ **DrawSegmentsAndSeeds** set of type action

→ **GetClosestSource** query of type action

→ **GetFurthestSource** query of type action

→ **HighlightColor** subobject of type Color

→ **InterSourceSpace** query and set of type float

→ **IsInSeedArray** query and set of type bool

→ **MakeContinous** set of type action

→ **MoveSourceToEnd** set of type action

→ **Name** query and set of type ObjString

→ **Radius** query and set of type float

→ **RecomputeSourcePositions** set of type action

→ **SegmentList** list of type CatheterSegment

→ **SegmentTipTineLength** query and set of type float

→ **SourceList** list of type Seed

→ **TipToFirstSourceSpace** query and set of type float

CatheterSegment

$\rightarrow$ **BasePositionX** query and set of type float

$\rightarrow$ **BasePositionY** query and set of type float

$\rightarrow$ **BasePositionZ** query and set of type float

$\rightarrow$ **CatheterObject** query of type pointer set of type action

$\rightarrow$ **CheckIfClosestToPoint** set of type action

$\rightarrow$ **Display2d** query and set of type bool

$\rightarrow$ **Display3d** query and set of type bool

$\rightarrow$ **DisplayChangeNode** query of type action

$\rightarrow$ **DrawWithHighlight** query and set of type bool

$\rightarrow$ **SegmentLength** query and set of type action

$\rightarrow$ **TineLength** query and set of type float

$\rightarrow$ **TipPositionX** query and set of type float

$\rightarrow$ **TipPositionY** query and set of type float

$\rightarrow$ **TipPositionZ** query and set of type float

$\rightarrow$ **Transform** set of type action

CircularCollimator

- → **BottomJawPosition** query and set of type float

- → **Diameter** query and set of type float

- → **LeftJawPosition** query and set of type float

- → **Name** query and set of type ObjString

- → **RightJawPosition** query and set of type float

- → **TopJawPosition** query and set of type float

ColorPrint

→ **Capture** query and set of type EnumeratedList with labels

→ **CaptureList** query and set of type StringList

→ **HeaderHeight** query and set of type int

→ **IsClick** query of type action

→ **IsDefine** query of type action

→ **IsSpecify** query of type action

→ **IsZoom** query of type action

→ **Margin** query and set of type int

→ **PageSize** query and set of type EnumeratedList with labels

→ **Scale** query and set of type float

→ **WindowID** query and set of type int

→ **ZoomList** query and set of type StringList

→ **ZoomTo** query and set of type EnumeratedList with labels

CompareProfile

→ **BlockDoseComputation** query and set of type bool

→ **CalcMeasuredToComputedDoseFitMetrics** set of type action

→ **ColumnFormat** query of type action

→ **ColumnHeader** query of type action

→ **CompareProfileClassBuildUpMetricsEndWeight** query and set of type float

→ **CompareProfileClassBuildUpMetricsStartWeight** query and set of type float

→ **ComputationVersion** query and set of type ObjString

→ **ComputedDoseValid** query of type bool set of type action

→ **ComputedDoseValidKeepLast** set of type action

→ **ComputedDoseValidNotEC** set of type action

→ **ComputedInThisSession** query and set of type bool

→ **ComputedProfile** subobject of type DoseProfile

→ **ECDoseInfoArray** query and set of type pointer

→ **EndMessageBatch** set of type action

→ **ErrorDescription** query and set of type ObjString

→ **ErrorNormalization** query and set of type float

→ **InvalidateECDoseInfo** set of type action

→ **LastComputedDoseValid** query and set of type bool

→ **LastComputedProfile** subobject of type DoseProfile

→ **MeasureGeometryObject** query and set of type pointer

→ **MeasuredProfile** query and set of type

→ **MeasuredProfileList** query and set of type

→ **MeasuredProfileListObject** set of type action

→ **MeasuredProfileName** query and set of type ObjString

→ **ModificationDependency** query of type action

→ **NormalizationDepth** query and set of type float

→ **NormalizationOffset** query and set of type float

→ **NormalizeByIntegral** query and set of type bool

→ **NumColumns** query of type action

→ **NumRows** query of type action

→ **ObjectVersion** subobject of type ObjectVersion

→ **PlotStyle** subobject of type PlotStyle

→ **Profile** query of type action

→ **ProfileErrorRatioHighDose** query of type action

→ **ProfileMetrics** subobject of type ProfileMetrics

→ **RecomputeDoseMetrics** set of type action

→ **SCDWhenDoseLastComputed** query and set of type float

→ **SetBlockComputationStateFromMeasuredProfile** set of type action

→ **Value** query of type action

Compensator

- → **ActualHomogeneity** query and set of type float
- → **AllocateThicknessArray** set of type action
- → **ArrayObjectName** query and set of type ObjString
- → **BeginMessageBatch** query and set of type bool
- → **CancelOptimization** query and set of type bool
- → **CenterAtZero** query and set of type bool
- → **ColumnFormat** query and set of type
- → **ColumnHeader** query and set of type
- → **CompensatorHangsDown** query and set of type bool
- → **CompensatorOutput** set of type action
- → **CompuFormerEnabled** query and set of type bool
- → **CutoffHomogeneity** query and set of type float
- → **Density** query and set of type float
- → **DisplayResolution** query and set of type float
- → **DoseCompMode** query and set of type EnumeratedList with labels
- → **DoseMax** query and set of type float
- → **DoseMean** query and set of type float
- → **DoseMin** query and set of type float
- → **DoseStdDev** query and set of type float
- → **EdgeOfFieldBorder** query and set of type float
- → **EndMessageBatch** query and set of type bool
- → **ExportFormat** query and set of type EnumeratedList with labels
- → **ExportName** query and set of type ObjString
- → **FillOutsideMode** query and set of type EnumeratedList with labels
- → **FillOutsideThickness** query and set of type float
- → **GeneratedAutomatically** query and set of type bool
- → **Height** query and set of type float
- → **IgnoreStatInvalidation** query and set of type bool
- → **IncludePolyBase** query and set of type bool
- → **InitialThickness** query and set of type float
- → **InvalidateStats** set of type action
- → **IsValid** query of type bool set of type action
- → **IsValidForOutput** query of type action
- → **IterationCount** query and set of type int
- → **LoadFluenceFilterInfo** set of type action
- → **MakeWedge** set of type action
- → **MaxAllowableThickness** query and set of type float
- → **MaxIterations** query and set of type int
- → **MillingThickness** query and set of type float
- → **MillingXScaler** query and set of type float
- → **MillingYScaler** query and set of type float

- → **MillingZScaler** query and set of type float
- → **ModificationDependency** query of type action
- → **ModifiedSinceOptimization** query of type action
- → **ModifierMeanThickness** query of type action
- → **Name** query and set of type ObjString
- → **NumColumns** query and set of type
- → **NumRows** query and set of type
- → **OptimizeToMinDoseFirstIteration** query and set of type bool
- → **OutputFactor** query and set of type float
- → **ParScientificEnabled** query and set of type bool
- → **PlaneDepth** query and set of type float
- → **PositiveMilled** query and set of type float
- → **PrintTransmission** set of type action
- → **ProtonSourceToCompensatorDistance** query and set of type float
- → **ResampleUsingLinearInterpolation** query and set of type bool
- → **Resolution** query and set of type float
- → **RoundData** query of type bool set of type action
- → **RoundingValue** query of type float set of type action
- → **RowHeader** query and set of type
- → **SaveCompensatorVolume** query and set of type action
- → **ScaleWidthHeight** query and set of type bool
- → **SetupForOptimization** set of type action
- → **SourceToCompensatorDistance** query and set of type float
- → **StartOptimizationWithCurrent** query and set of type bool
- → **StatsAreValid** query of type action
- → **Thickness** query and set of type action
- → **ThicknessObject** query and set of type
- → **Transmission** query and set of type action
- → **TrayNumber** query and set of type ObjString
- → **TrayNumberIfValid** query of type action set of type string
- → **Type** query and set of type EnumeratedList with labels
- → **Value** set of type action
- → **WetXDim** query and set of type int
- → **WetYDim** query and set of type int
- → **Width** query and set of type float
- → **XDimension** set of type action
- → **YDimension** set of type action

CompensatorConverter

→ **BeginMessageBatch** set of type action

→ **Cancel** set of type action

→ **CancelConversion** query and set of type bool

→ **ClassName** query of type string

→ **ClearUnitTestData** set of type action

→ **ComputeEffectiveODM** set of type int

→ **ComputeEffectiveODMCurrentBeam** set of type action

→ **ComputeODMDifference** query and set of type bool

→ **ConvertAllBeams** set of type action

→ **ConvertBeam** set of type int

→ **Converting** query of type bool

→ **Density** query and set of type float

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **ErrorTolerance** query and set of type float

→ **Existence** query of type bool

→ **FieldEdgeBorder** query and set of type float

→ **FillOutsideMode** query and set of type string

→ **FillOutsideThickness** query and set of type float

→ **FilterODM** query and set of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **JawMargin** query and set of type float

→ **KernelSize** query and set of type int

→ **LinearInterpolation** query and set of type bool

→ **MaxAllowableThickness** query and set of type float

→ **MaxNumberOfIterations** query and set of type int

→ **OptimizeCompensator** query and set of type bool

→ **OutputUnitTestResults** set of type action

→ **PluginName** query of type string

→ **Resolution** query and set of type float

→ **Revision** query of type string

→ **Run** set of type action

→ **SCD** query and set of type float

→ **StopConversion** set of type action

→ **TrialList** list of type DCITrial

→ **UnitTestMode** query and set of type bool

ConfigRV

→ **BottomJaw** query and set of type EnumeratedList with labels

→ **ElektaRelativeMLCPositions** query and set of type bool

→ **Enabled** query and set of type bool

→ **LeftJaw** query and set of type EnumeratedList with labels

→ **MLCBankSwap** query and set of type EnumeratedList with labels

→ **MLCBankSwapValue** query and set of type int

→ **MLCOrderSwap** query and set of type EnumeratedList with labels

→ **MLCOrderSwapValue** query and set of type int

→ **RightJaw** query and set of type EnumeratedList with labels

→ **TopJaw** query and set of type EnumeratedList with labels

→ **X1Jaw** query of type action

→ **X2Jaw** query of type action

→ **Y1Jaw** query of type action

→ **Y2Jaw** query of type action

ConstraintManager

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Current** subobject of type OrbitConstraints

→ **CurrentName** query and set of type string

→ **CurrentNameIs** query of type bool

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **InterfaceCount** query of type int

→ **IsFiling** query of type bool

→ **OrbitBioConstraints** subobject of type OrbitBioConstraints

→ **OrbitConstraints** subobject of type OrbitConstraints

→ **TypeNames** query of type StringList

ContourDataEditor

- → **AddContour** set of type action
- → **AddContourPoint** set of type action
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **ContourCount** query of type int
- → **ContourIndex** query and set of type int
- → **ContourPointCount** query of type int
- → **ContourPointIndex** query and set of type int
- → **DataHasChanged** query and set of type bool
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **InstanceName** query of type string
- → **IsCurrent** set of type bool
- → **IsFiling** query of type bool
- → **RemoveAllContours** set of type action
- → **UpdateRoi** set of type action
- → **X** query and set of type float
- → **Y** query and set of type float
- → **Z** query and set of type float

ControlPoint

- → **AreThereClosedLeafPairsInTheField** query of type action
- → **BeginMessageBatch** set of type action
- → **BottomJawPosition** query and set of type action
- → **BottomMLCPosition** query and set of type action
- → **CArmAngle** query and set of type action
- → **CPDoseIsValid** query and set of type bool
- → **CPManagerObject** query of type pointer set of type action
- → **CalcLeafSpeed** set of type action
- → **CloseMLCLeaves** set of type action
- → **Collimator** query and set of type action
- → **ComputeCPDose** query and set of type bool
- → **Couch** query and set of type action
- → **CumulativeCoeff** query and set of type float
- → **DeliveryTime** query and set of type float
- → **DisplayMonitorUnits** query of type action
- → **DisplayedWeightAsPercent** query of type action
- → **DoAutoSurround** set of type action
- → **DoAutoSurroundMLC** set of type action
- → **DoseRate** query and set of type float
- → **DoseVector** query and set of type action
- → **EndMessageBatch** set of type action
- → **EnforceMLCLimits** set of type action
- → **EquivalentSquare** query of type action
- → **EquivalentSquareMLC** query of type action
- → **FluenceFilterArray** query of type action
- → **ForceCPDoseInvalid** query and set of type bool
- → **Gantry** query and set of type action
- → **GantryRate** query of type action
- → **GetMinLeafEndSeparation** query of type action
- → **HasSharedModifierList** query and set of type bool
- → **InternalCollimator** query of type float set of type action
- → **InternalCouch** query of type float set of type action
- → **InternalGantry** query of type float set of type action
- → **InvalidateCPDose** set of type action
- → **IsLeftRightMLCSymmetric** query and set of type
- → **IsTopBottomMLCSymmetric** query and set of type
- → **LeafSpeed** query of type action
- → **LeftJawPosition** query and set of type action
- → **LeftMLCPosition** query and set of type action
- → **LeftRightJawWidth** query and set of type action
- → **LeftRightMLCFieldSize** query and set of type action

- → **MLCBestCollimatorAngle** query and set of type float
- → **MLCError** query and set of type float
- → **MLCErrorPerCollimator** subobject of type AnnotatedCurve
- → **MLCInfo** query and set of type action
- → **MLCLeafPositions** subobject of type AnnotatedCurve
- → **MLCLeavesAreOpen** query of type action
- → **MLCLowerFieldExtent** query of type action
- → **MLCMaxPosition** query of type action
- → **MLCMinPosition** query of type action
- → **MLCOptimizeCollimatorAngle** set of type action
- → **MLCPlotStyle** subobject of type PlotStyle
- → **MLCShiftDistance** query and set of type float
- → **MLCTransForDisplay** query and set of type float
- → **MLCTransmissionIfValid** query of type action
- → **MLCUpperFieldExtent** query of type action
- → **MakeLeftRightSymmetric** set of type action
- → **MakeTopBottomSymmetric** set of type action
- → **MaxJawTravelDistance** query of type action
- → **MaxLeafTravelDistance** query of type action
- → **MessageBatchMode** query of type action
- → **ModifierList** list of type BeamModifier
- → **MonitorUnits** query and set of type action
- → **Name** query and set of type ObjString
- → **NextCP** query of type action
- → **ODM** query of type action
- → **OpenExtraLeafPairs** set of type action
- → **OpenLeafPairsForSiemens** set of type action
- → **OpenMLCLeaves** set of type action
- → **OpenMLCMaxPosition** query of type action
- → **OpenMLCMinPosition** query of type action
- → **OpposeMLCLeaves** set of type action
- → **PercentOfArc** query of type action set of type float
- → **PushInFieldClosedLeafPairsBehindJaws** set of type action
- → **PushMLCLeavesToBlock** set of type action
- → **PushMLCLeavesToJaws** set of type action
- → **PushMLCLeavesToJawsCenter** set of type action
- → **RemoveWedge** set of type action
- → **RightJawPosition** query and set of type action
- → **RightMLCPosition** query and set of type action
- → **SegmentArea** query of type action
- → **SetupDependencies** set of type action
- → **ShiftMLCBank1** set of type action

→ **ShiftMLCBank2** set of type action

→ **TPBDoseCalculator** query and set of type

→ **TargetProjectionValid** query and set of type bool

→ **ToggleWedgeOrientation** query and set of type

→ **TopBottomJawHeight** query and set of type action

→ **TopBottomMLCFieldSize** query and set of type action

→ **TopJawPosition** query and set of type action

→ **TopMLCPosition** query and set of type action

→ **UpdateMLCLeavesFromMachine** set of type action

→ **UpdateMLCLeavesIfInvalid** set of type action

→ **Wedge** query and set of type

→ **WedgeAngle** query and set of type

→ **WedgeContext** subobject of type WedgeContext

→ **WedgeName** query and set of type

→ **WedgeOffsetDistance** query and set of type

→ **WedgeOffsetList** query and set of type

→ **WedgeOffsetOrigin** query and set of type

→ **WedgeOrientation** query and set of type

→ **WedgeOrientationLabel** query and set of type

→ **WedgeRotation** query and set of type

→ **Weight** query and set of type float

→ **WeightAsPercent** query and set of type action

→ **WeightLocked** query and set of type bool

ConvKernel

$\rightarrow$ **FreeKernel** query and set of type

$\rightarrow$ **MonoEnergeticKernelPath** query and set of type ObjString

$\rightarrow$ **NumberOfAngularBins** query of type int

$\rightarrow$ **NumberOfRadialBins** query of type int

ConvKernel

CoordSysEditor

- → **BindXScale** set of type action
- → **BindYScale** set of type action
- → **BindZScale** set of type action
- → **BufferXScale** query and set of type action
- → **BufferYScale** query and set of type action
- → **BufferZScale** query and set of type action
- → **CheckXScaleParallel** set of type action
- → **CheckYScaleParallel** set of type action
- → **CheckZScaleParallel** set of type action
- → **CopyCoordSystem** set of type action
- → **CopyXScaleToY** set of type action
- → **EditCoordSystem** subobject of type CoordSystem
- → **FinalCoordSystem** subobject of type CoordSystem
- → **LeftRightMode** query and set of type EnumeratedList with labels
- → **LeftRightModeList** query and set of type StringList
- → **Name** query and set of type ObjString
- → **NextXPoint** set of type action
- → **NextXYPoint** set of type action
- → **NextYPoint** set of type action
- → **PreviousXYPoint** set of type action
- → **ReferencePointX** query and set of type float
- → **ReferencePointY** query and set of type float
- → **ReferencePointZ** query and set of type float
- → **RestrictToXY** set of type action
- → **RightHandedFlag** query and set of type action
- → **RotatedNotRotatedList** query and set of type StringList
- → **RotatedYesNo** query and set of type EnumeratedList with labels
- → **RotationFlag** query and set of type action
- → **ScaleCoordSystemX** subobject of type CoordSystem
- → **ScaleCoordSystemY** subobject of type CoordSystem
- → **ScaleCoordSystemZ** subobject of type CoordSystem
- → **ScaleMode** query and set of type EnumeratedList with labels
- → **ScaleModeList** query and set of type StringList
- → **ScaleSeparateMode** query and set of type EnumeratedList with labels
- → **ScaleSeparateModeList** query and set of type StringList
- → **ScaleTogetherMode** query and set of type EnumeratedList with labels
- → **ScaleTogetherModeList** query and set of type StringList
- → **ShiftCoordSystem** set of type action
- → **ShiftUsingReferencePoint** set of type action
- → **TransformPointTo** query and set of type
- → **UpdateCoordSystem** set of type action

$\rightarrow$ **UpdateTransform** query and set of type

$\rightarrow$ **UseXAxisForScale** set of type action

$\rightarrow$ **UseYAxisForScale** set of type action

$\rightarrow$ **UseZAxisForScale** set of type action

CoordSystem

- → **CheckOrthoXY** set of type action
- → **CheckOrthoXZ** set of type action
- → **CheckOrthoYZ** set of type action
- → **Clear** set of type action
- → **CurrentX** query and set of type action
- → **CurrentY** query and set of type action
- → **CurrentZ** query and set of type action
- → **DeriveLeftHandedXFromY** set of type action
- → **DeriveLeftHandedYFromX** set of type action
- → **DeriveRightHandedXFromY** set of type action
- → **DeriveRightHandedYFromX** set of type action
- → **IsRightHanded** query of type action
- → **MakeNoneCurrent** set of type action
- → **MakeOriginCurrent** set of type action
- → **MakeOrthogonal** set of type action
- → **MakeXAxisCurrent** set of type action
- → **MakeYAxisCurrent** set of type action
- → **MakeZAxisCurrent** set of type action
- → **ModificationDependency** query of type action
- → **OriginIsCurrent** query of type action
- → **OriginX** query and set of type float
- → **OriginY** query and set of type float
- → **OriginZ** query and set of type float
- → **OrthoTolerance** query and set of type float
- → **ParallelTolerance** query and set of type float
- → **ReverseX** set of type action
- → **ShiftAllUsingCurrent** set of type action
- → **TransformPointFrom** set of type action
- → **TransformPointTo** set of type action
- → **TranslateBy** set of type action
- → **UpdateTransform** set of type action
- → **XAxisIsCurrent** query of type action
- → **XAxisX** query and set of type float
- → **XAxisY** query and set of type float
- → **XAxisZ** query and set of type float
- → **XLength** query and set of type float
- → **XScale** query and set of type action
- → **XUnitsLabel** query and set of type ObjString
- → **YAxisIsCurrent** query of type action
- → **YAxisX** query and set of type float
- → **YAxisY** query and set of type float

- → **YAxisZ** query and set of type float

- → **YLength** query and set of type float

- → **YScale** query and set of type action

- → **YUnitsLabel** query and set of type ObjString

- → **ZAxisIsCurrent** query of type action

- → **ZAxisX** query and set of type float

- → **ZAxisY** query and set of type float

- → **ZAxisZ** query and set of type float

- → **ZLength** query and set of type float

- → **ZScale** query and set of type action

- → **ZUnitsLabel** query and set of type ObjString

CtToDensityTable

$\rightarrow$ **AddPoint** set of type action

$\rightarrow$ **CanModifyDoseFlag** query and set of type bool

$\rightarrow$ **ColumnFormat** query of type action

$\rightarrow$ **ColumnHeader** query of type action

$\rightarrow$ **DeleteRow** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **InOutDirection** query and set of type EnumeratedList with labels

$\rightarrow$ **InValidDescription** query of type action

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **IsValid** query of type action

$\rightarrow$ **IsoShift** query and set of type EnumeratedList with labels

$\rightarrow$ **IsoShiftName** query of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NotForDoseComputation** query and set of type bool

$\rightarrow$ **NumColumns** query and set of type

$\rightarrow$ **NumRows** query and set of type

$\rightarrow$ **NumberOfPoints** query and set of type

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **OffsetX** set of type action

$\rightarrow$ **PlotStyle** subobject of type PlotStyle

$\rightarrow$ **RelyOnList** list of type CTScanner

$\rightarrow$ **RightLeftDirection** query and set of type EnumeratedList with labels

$\rightarrow$ **Table** subobject of type CurveNd

$\rightarrow$ **Value** set of type action

$\rightarrow$ **X** set of type action

$\rightarrow$ **Y** set of type action

CtToOpacityTable

$\rightarrow$ **AddPoint** set of type action

$\rightarrow$ **InValidDescription** query of type action

$\rightarrow$ **IsValid** query of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NumberOfPoints** query and set of type

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **OffsetX** set of type action

$\rightarrow$ **PlotStyle** subobject of type PlotStyle

$\rightarrow$ **ShowTransformed** set of type action

$\rightarrow$ **Table** subobject of type CurveNd

$\rightarrow$ **TransformedX** query and set of type float

$\rightarrow$ **TransformedY** query and set of type float

$\rightarrow$ **Value** set of type action

$\rightarrow$ **X** set of type action

$\rightarrow$ **Y** set of type action

CtToStoppingPowerTable

$\rightarrow$ **AddPoint** set of type action

$\rightarrow$ **ColumnFormat** query of type action

$\rightarrow$ **ColumnHeader** query of type action

$\rightarrow$ **DeleteRow** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **InValidDescription** query of type action

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **IsValid** query of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NotForDoseComputation** query and set of type bool

$\rightarrow$ **NumColumns** query and set of type

$\rightarrow$ **NumRows** query and set of type

$\rightarrow$ **NumberOfPoints** query and set of type

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **OffsetX** set of type action

$\rightarrow$ **PlotStyle** subobject of type PlotStyle

$\rightarrow$ **RelyOnList** query and set of type

$\rightarrow$ **Table** subobject of type CurveNd

$\rightarrow$ **Value** set of type action

$\rightarrow$ **X** set of type action

$\rightarrow$ **Y** set of type action

CurveNd

- → **AddPoint** set of type action
- → **CopyToPointList** set of type action
- → **CopyXToArray** set of type action
- → **CopyYToArray** set of type action
- → **CopyZToArray** set of type action
- → **DeleteAllPoints** set of type action
- → **DeleteLastPoint** set of type action
- → **DeleteRow** set of type action
- → **InsertRowAfter** set of type action
- → **InsertRowBefore** set of type action
- → **LastValue** query and set of type action
- → **LoadPointList** set of type action
- → **NumColumns** query of type int
- → **NumRows** query of type int
- → **NumberOfDimensions** query of type int set of type action
- → **NumberOfPoints** query of type int set of type action
- → **Offset** set of type action
- → **OffsetX** set of type action
- → **OffsetXY** set of type action
- → **OffsetY** set of type action
- → **OffsetZ** set of type action
- → **PointsAsBlob** query and set of type action
- → **PointsBinaryIO** query and set of type action
- → **PointsBinaryIOSupported** query and set of type bool
- → **PointsDone** set of type action
- → **PointsFirst** query and set of type action
- → **PointsNext** query and set of type action
- → **PointsNumColsPerLine** query of type action
- → **ReadFromFile** set of type action
- → **Scale** set of type action
- → **ScaleX** set of type action
- → **ScaleY** set of type action
- → **ScaleZ** set of type action
- → **SortByDimension** set of type action
- → **SortByX** set of type action
- → **SortByY** set of type action
- → **SortByZ** set of type action
- → **Value** query and set of type action
- → **WriteToFile** set of type action
- → **X** query and set of type action
- → **Y** query and set of type action

$\rightarrow$ **Z** query and set of type action

CurvePainter

→ **AddEditPoint** set of type action

→ **AddToDisplayList** set of type action

→ **BeginMessageBatch** set of type action

→ **BoxSize** query and set of type int

→ **BoxSizeList** query and set of type StringList

→ **BoxSizeString** query and set of type action

→ **Color** query and set of type action

→ **Curve** subobject of type AnnotatedCurve

→ **DecubitusOrientation** query and set of type action

→ **DefaultBoxSize** query and set of type int

→ **Dimension** query of type action

→ **DisplayIn2d** query and set of type bool

→ **DisplayOn** query and set of type bool

→ **DisplayOnThickSlices** query and set of type bool

→ **DrawBoxes** query and set of type bool

→ **EndMessageBatch** set of type action

→ **GoToNearestSlice** set of type action

→ **IncrementSliceCoordinate** set of type action

→ **InsertEditPoint** set of type action

→ **LineStyle** subobject of type LineStyle

→ **NextSlice** set of type action

→ **OnFirstSlice** query of type action

→ **OnLastSlice** query of type action

→ **Orientation** query and set of type EnumeratedList with labels

→ **OrientationCoordinate** query and set of type EnumeratedList with labels

→ **OrientationLabel** query of type action

→ **OrientationList** query of type action

→ **OrientationString** query of type action

→ **PreviousSlice** set of type action

→ **RemoveEditPoint** set of type action

→ **RemoveFromDisplayList** set of type action

→ **SliceCoordinate** query and set of type float

→ **SliceNumber** query and set of type action

→ **StartClosedCurve** set of type action

→ **StartEdit** set of type action

→ **StartMoveAllPoints** set of type action

→ **StartStretch** set of type action

→ **TrackEdit** set of type action

→ **TrackMoveAllPoints** set of type action

→ **TrackStretch** set of type action

→ **Volume** query and set of type pointer

$\rightarrow$ **VolumeByName** set of type action

Cutplane

- → **AddToDisplayList** set of type action
- → **ApplyToAllVolumes** query and set of type bool
- → **BufferedNormalX** query and set of type float
- → **BufferedNormalY** query and set of type float
- → **BufferedNormalZ** query and set of type float
- → **Color** query and set of type string
- → **DeleteCutplanesForVolume** set of type action
- → **DeleteMarkedCutplanes** set of type action
- → **Display2DIfMarked** query and set of type bool
- → **IsInUse** query and set of type bool
- → **MarkCutplanesForVolume** set of type action
- → **Marked** query and set of type action
- → **Name** query and set of type string
- → **NormalX** query of type float set of type action
- → **NormalY** query of type float set of type action
- → **NormalZ** query of type float set of type action
- → **PointX** query and set of type float
- → **PointY** query and set of type float
- → **PointZ** query and set of type float
- → **RemoveFromDisplayList** set of type action
- → **ResequenceCutplanes** set of type action
- → **ResequenceCutplanesForVolume** set of type action
- → **ReverseCutplanesForVolume** set of type action
- → **ReverseMarkedCutplanes** set of type action
- → **SequenceNumber** query and set of type int
- → **SliceThickness** query and set of type float
- → **StepCount** query and set of type int
- → **StepLength** query and set of type float
- → **UpdateBufferedNormal** set of type action
- → **UpdateNormal** set of type action
- → **VolumeName** query and set of type action

DCITrial

$\rightarrow$ **BeamExtensionList** query and set of type

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **HasBeamExtensionList** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **Params** query and set of type

DCMTrial

$\rightarrow$ **BeamExtensionList** query and set of type

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Converter** query and set of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **HasBeamExtensionList** query of type bool

$\rightarrow$ **IsFiling** query of type bool

DCRPresets

$\rightarrow$ **DCRBrightness** query and set of type int

$\rightarrow$ **DCRContrast** query and set of type int

$\rightarrow$ **DCRHi0** query and set of type int

$\rightarrow$ **DCRHi1** query and set of type int

$\rightarrow$ **DCRHi2** query and set of type int

$\rightarrow$ **DCRHi3** query and set of type int

$\rightarrow$ **DCRLevel** query and set of type int

$\rightarrow$ **DCRLo0** query and set of type int

$\rightarrow$ **DCRLo1** query and set of type int

$\rightarrow$ **DCRLo2** query and set of type int

$\rightarrow$ **DCRLo3** query and set of type int

$\rightarrow$ **DCROpacity0** query and set of type float

$\rightarrow$ **DCROpacity1** query and set of type float

$\rightarrow$ **DCROpacity2** query and set of type float

$\rightarrow$ **DCROpacity3** query and set of type float

$\rightarrow$ **DCRWindow** query and set of type int

$\rightarrow$ **DcrControlType** query and set of type EnumeratedList with labels

$\rightarrow$ **DcrControlTypeList** query and set of type StringList

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **SystemPreset** query and set of type bool

DICOM

→ **AbortAssociation** set of type action

→ **ApplicationID** query of type int

→ **AssociationID** query of type int

→ **AssociationStatus** query of type int

→ **AssociationStatusDependency** query of type action

→ **Attribute** query and set of type int

→ **BeginTagRead** query and set of type float

→ **CancelPrint** set of type action

→ **CloseAssociation** set of type action

→ **CloseDICOMFile** query of type action

→ **ComputeOffScreen** query and set of type bool

→ **ConfigPath** query of type ObjString set of type action

→ **DICOMImageFile** query and set of type ObjString

→ **DerivedXPixels** query and set of type int

→ **Echo** set of type action

→ **EndTagRead** query and set of type float

→ **FilmHeight** query of type action

→ **FilmWidth** query of type action

→ **FreeResponseMessage** set of type action

→ **GetAttribute** query of type action

→ **GetUID** query of type action

→ **ImageXPixels** query of type action

→ **Initialize** set of type action

→ **InputCallback** set of type action

→ **LocalAETitle** query and set of type ObjString

→ **MessageID** query and set of type int

→ **MessageStatus** query of type int

→ **NoAssociation** query and set of type bool

→ **OpenAssociation** set of type action

→ **OpenAssociationWithoutWarning** set of type action

→ **OpenDICOMFile** query of type action

→ **Print** set of type action

→ **PrintCompleteDependency** query of type action

→ **PrintDestinations** list of type SimpleString

→ **PrintFilmSizes** list of type SimpleString

→ **PrintMagnifications** list of type SimpleString

→ **PrintMedia** list of type SimpleString

→ **PrintPriorities** list of type SimpleString

→ **PrintStatus** set of type int

→ **PrintStatusDependency** query of type action

→ **PrintTest** set of type action

→ **PrintXPixels** query and set of type int

→ **PrinterDBPath** query of type ObjString set of type action

→ **ReleaseDICOM** set of type action

→ **RemoteAETitle** query and set of type ObjString

→ **RemoteHost** query and set of type ObjString

→ **RemotePort** query and set of type int

→ **ResponseID** query of type int

→ **ResponseReceivedDependency** query of type action

→ **ResponseService** query of type ObjString

→ **ResponseType** query of type int

→ **SendRequestMessage** set of type action

→ **SendResponseMessage** set of type action

→ **SendTest** set of type action

→ **SendToPlugin** set of type action

→ **ServiceListName** query and set of type ObjString

→ **TimeOutCallback** set of type action

→ **TimeOutLength** query of type int set of type action

→ **UnitTest** query and set of type bool

DICOMDerivedExportPlugin

    → **BeginMessageBatch** set of type action

    → **Cancel** set of type action

    → **ClassName** query of type string

    → **Destroy** set of type action

    → **EndMessageBatch** set of type action

    → **Existence** query of type bool

    → **ImageBytesPerPixel** query and set of type int

    → **ImageData** query and set of type pointer

    → **ImageHeight** query and set of type int

    → **ImagePrintedSizeMM** query and set of type float

    → **ImageWidth** query and set of type int

    → **InstanceName** query of type string

    → **IsFiling** query of type bool

    → **IsNewer** query of type bool

    → **PluginName** query of type string

    → **RemoteAETitle** query and set of type string

    → **Revision** query of type string

    → **Run** set of type action

    → **UnitTestMode** query and set of type bool

DICOMExportPlugin

→ **AnnotateDRR** query and set of type bool

→ **AnnotateSetup** query and set of type bool

→ **BeamDescription** query and set of type string

→ **BeamName** query and set of type string

→ **BeginMessageBatch** set of type action

→ **CanExportPlan** query of type bool

→ **CanExportRTDose** query of type bool

→ **CanExportRTImage** query of type bool

→ **CanExportSpatialRegistration** query of type bool

→ **CanExportStructureSet** query of type bool

→ **Cancel** set of type action

→ **ClassName** query of type string

→ **DICOMImageList** query of type StringList

→ **Destroy** set of type action

→ **DestroySetupBeams** set of type action

→ **DisplaySetupBeam** query and set of type bool

→ **DoseRate** query and set of type float

→ **EnableBeamType_Patch** query and set of type bool

→ **EnableConformalArc** query and set of type bool

→ **EnableOldBolus_Patch** query and set of type bool

→ **EnableVarianMaxDeliveryTime** query and set of type bool

→ **EnableVaris2_2a_Patch** query and set of type bool

→ **EnableVarisSetupBeams** query and set of type bool

→ **EndMessageBatch** set of type action

→ **ExceptionWindow** subobject of type TreeListWindow

→ **Existence** query of type bool

→ **ExportDoseRate** query and set of type bool

→ **ExportDoseRatePerCPDynamicArc** query and set of type bool

→ **GantryRotationDirectionInEveryCP** query and set of type bool

→ **InstanceName** query of type string

→ **IsDataTransmitting** query and set of type bool

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **MaximumDeliveryTime** query and set of type float

→ **NoSourceToBeamLimitingDeviceDistance** query and set of type bool

→ **NumberOfBeamsExported** query and set of type int

→ **NumberOfBeamsExportedMember** query and set of type

→ **PluginName** query of type string

→ **PopulateServerList** set of type action

→ **RemoteAETitle** query and set of type string

→ **RemoveSetupBeamReference** query and set of type bool

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **SSDInArcs** query and set of type bool

$\rightarrow$ **SendDICOMImage** query and set of type bool

$\rightarrow$ **SendDRR** query and set of type bool

$\rightarrow$ **SendPlan** query and set of type bool

$\rightarrow$ **SendPlanarDose** query and set of type bool

$\rightarrow$ **SendRTDose** query and set of type bool

$\rightarrow$ **SendRTDoseForPlan** query and set of type bool

$\rightarrow$ **SendRTDosePerBeam** query and set of type bool

$\rightarrow$ **SendRTDosePerCP** query and set of type bool

$\rightarrow$ **SendRTDosePerPrescription** query and set of type bool

$\rightarrow$ **SendSetup** query and set of type bool

$\rightarrow$ **SendSpatialRegistration** query and set of type bool

$\rightarrow$ **SendStructures** query and set of type bool

$\rightarrow$ **ServerList** list of type SimpleString

$\rightarrow$ **SetupBeam1** subobject of type Beam

$\rightarrow$ **SetupBeam1Name** query and set of type string

$\rightarrow$ **SetupBeam2** subobject of type Beam

$\rightarrow$ **SetupBeam2Name** query and set of type string

$\rightarrow$ **SetupBeamMachine** query and set of type string

$\rightarrow$ **SetupBeamMachineList** query of type StringList

$\rightarrow$ **ToleranceLabel** query and set of type string

$\rightarrow$ **ToleranceNumber** query and set of type int

$\rightarrow$ **UnitTest** query and set of type bool

$\rightarrow$ **UnitTestMode** query and set of type bool

$\rightarrow$ **UpdateDICOMImageList** set of type pointer

$\rightarrow$ **UpdatePrescriptionList** set of type pointer

$\rightarrow$ **UpdateSetupBeamList** set of type pointer

$\rightarrow$ **UpdateStructureList** set of type pointer

DICOMImportPlugin

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **DICOM_Directory** subobject of type DICOM_Directory

$\rightarrow$ **DatasetForDose** query and set of type string

$\rightarrow$ **DeleteSelectedPatient** set of type action

$\rightarrow$ **DeleteSelectedPatientObjects** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **ExceptionWindow** subobject of type TreeListWindow

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **ImportPatient** set of type action

$\rightarrow$ **ImportPatientSensitivity** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **PatientList** list of type SimpleString

$\rightarrow$ **PatientObjectsListValue** query of type StringList

$\rightarrow$ **PatientObjectsSelectedList** set of type pointer

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **RefreshPatientList** set of type action

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

DICOM_Directory

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **CurrentIndex** query and set of type int

→ **CurrentPatient** query and set of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **HasPatients** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **PatientCount** query of type int

→ **PatientPath** query and set of type string

→ **Update** set of type action

DMEPlugin

→ **BeginMessageBatch** set of type action

→ **Cancel** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **DoYouWantToSaveElectronApplicatorTable** set of type action

→ **ElectronApplicatorTable** list of type DME_ElectronApplicator

→ **ElectronApplicatorTableIsBeingEdited** query and set of type bool

→ **ElectronApplicatorTableIsNotValid** query of type bool

→ **ElectronApplicatorTableIsValid** query of type bool

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **LoadElectronApplicatorTable** set of type string

→ **MakeElectronApplicatorCurrentByName** set of type string

→ **OutputPlan** set of type action

→ **PluginName** query of type string

→ **Revision** query of type string

→ **Run** set of type action

→ **SaveElectronApplicatorTable** set of type string

→ **UnitTestMode** query and set of type bool

DME_ElectronApplicator

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **ElectronApplicatorName** query and set of type string

→ **EndMessageBatch** set of type action

→ **EnergyToJawsList** list of type DME_EnergyToJaws

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **MakeEnergyCurrentByName** set of type string

DME_EnergyToJaws

- → **BeginMessageBatch** set of type action

- → **ClassName** query of type string

- → **Destroy** set of type action

- → **EndMessageBatch** set of type action

- → **EnergyName** query and set of type string

- → **Existence** query of type bool

- → **InstanceName** query of type string

- → **IsFiling** query of type bool

- → **JawsX** query and set of type float

- → **JawsY** query and set of type float

DRRSpecs

$\rightarrow$ **AddToBrightness** set of type action

$\rightarrow$ **BrightnessFactor** query and set of type float

$\rightarrow$ **CtToDensTableAddress** subobject of type CtToDensityTable

$\rightarrow$ **CtToDensityTable** query and set of type ObjString

$\rightarrow$ **Energy** query and set of type float

$\rightarrow$ **ImagePixels** query of type int set of type action

$\rightarrow$ **ImageWidth** query and set of type float

$\rightarrow$ **InterpolationMode** set of type action

$\rightarrow$ **LinearImageLoad** query and set of type bool

$\rightarrow$ **LowerThreshold** query and set of type float

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **PatientThickness** query and set of type float

$\rightarrow$ **RayInterpolationMode** query and set of type EnumeratedList with labels

$\rightarrow$ **SetCtToDensityIfInvalid** set of type action

$\rightarrow$ **StepSize** query and set of type float

$\rightarrow$ **UpperThreshold** query and set of type float

$\rightarrow$ **UseRenderingLimits** query and set of type bool

$\rightarrow$ **UseThreshold** query and set of type bool

DRRWindowLevel

→ **DRRBrightness** query and set of type int

→ **DRRContrast** query and set of type int

→ **DRRLevel** query and set of type float

→ **DRRWindow** query and set of type float

→ **DrrControlType** query and set of type EnumeratedList with labels

→ **DrrControlTypeList** query and set of type StringList

→ **MaxDensity** query and set of type float

→ **Name** query and set of type ObjString

→ **SystemPreset** query and set of type bool

DVHGroup

→ **ActualMaxDose** query and set of type float

→ **AutoComputeMaxDose** query and set of type bool

→ **ClickDrag** query and set of type bool

→ **DVHExist** query and set of type bool

→ **DVHList** list of type DoseVolHist

→ **DVHPlotStyle** subobject of type PlotStyle

→ **DVHToolMode** query and set of type EnumeratedList with labels

→ **DVHToolModeTo** set of type action

→ **DVHTrackColor** query and set of type ObjString

→ **DVHZoomColor** query and set of type ObjString

→ **DoseAtPointer** query and set of type ObjString

→ **DrawPlot** query and set of type action

→ **MaxDoseOverride** query and set of type float

→ **MaxDoseOverrideInCentiGrey** query and set of type float

→ **RoiAtPointer** query and set of type ObjString

→ **SetPointer** set of type action

→ **ToClickDrag** set of type action

Date

    $\rightarrow$ **DateAsCompactString** query and set of type action

    $\rightarrow$ **DateAsDays** query and set of type action

    $\rightarrow$ **DateInSeconds** query and set of type int

    $\rightarrow$ **Day** query and set of type int

    $\rightarrow$ **Hour** query and set of type int

    $\rightarrow$ **Minute** query and set of type int

    $\rightarrow$ **Month** query and set of type int

    $\rightarrow$ **Second** query and set of type int

    $\rightarrow$ **Year** query and set of type int

DcrSlider

    → **ClassificationBinNumber** query and set of type int

    → **ColorBarPrevValue** query and set of type float

    → **Count** query of type action

    → **DcrBinBottom** query and set of type ObjString

    → **DcrBinTop** query and set of type ObjString

    → **DcrSliderColor** query and set of type ObjString

    → **Draw** query and set of type action

    → **EnableIsoUpdate** set of type action

    → **Maximum** query and set of type int

    → **Minimum** query and set of type int

    → **OpacityColor** query and set of type ObjString

    → **SetBinLimits** set of type action

    → **SliderHeight** query and set of type int

    → **UpdateColorBarLine** query and set of type int

DensityMaterialPair

$\rightarrow$ **Density** query and set of type float

$\rightarrow$ **Material** query and set of type ObjString

DensityMaterialTable

$\rightarrow$ **AddRow** set of type action

$\rightarrow$ **DeleteCurrentRow** set of type action

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **InvalidDescription** query of type action

$\rightarrow$ **IsEditable** query and set of type bool

$\rightarrow$ **IsValid** query of type action

$\rightarrow$ **MaxDensity** query of type action

$\rightarrow$ **MinDensity** query and set of type float

$\rightarrow$ **ModificationDependency** query and set of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **Table** list of type DensityMaterialPair

DigitizerControl

→ **AcknowledgementDelay** query and set of type int

→ **ActualCmPerCmX** query and set of type action

→ **ActualCmPerCmY** query and set of type action

→ **AddButton2Message** set of type action

→ **AddButton3Message** set of type action

→ **AddButton4Message** set of type action

→ **AddLimitMessage** set of type action

→ **AddPostMessage** set of type action

→ **AddPreMessage** set of type action

→ **AddToDeviceList** set of type action

→ **AddXMessage** set of type action

→ **AddYMessage** set of type action

→ **ApplicationType** query and set of type EnumeratedList with labels

→ **ApplicationTypeList** query and set of type StringList

→ **Beep** query and set of type

→ **BlockTransform** set of type action

→ **Button1SensitivityMessage** query and set of type ObjString

→ **Button2Message** set of type action

→ **Button2SensitivityMessage** query and set of type ObjString

→ **Button3Message** set of type action

→ **Button3SensitivityMessage** query and set of type ObjString

→ **Button4Message** set of type action

→ **Button4SensitivityMessage** query and set of type ObjString

→ **CanBeOpened** query of type action

→ **ClearAllMessages** set of type action

→ **Close** set of type action

→ **CmPerActualCmX** query and set of type action

→ **CmPerActualCmY** query and set of type action

→ **CoordSysEditor** query and set of type action

→ **CoordSysEditorList** list of type CoordSysEditor

→ **CountLimit** query and set of type int

→ **DecrementCount** set of type action

→ **DeviceLastOpened** query and set of type ObjString

→ **DeviceList** list of type SimpleString

→ **Digitizer** subobject of type NumonicsDigitizer

→ **DigitizerLock** subobject of type SimpleLockFile

→ **DoubleFilms** query and set of type bool

→ **EnforceFileLocking** query of type bool set of type action

→ **EnforceLimit** query and set of type bool

→ **GenericCount** query and set of type int

→ **HaveDigitizer** query of type action

- → **IncrementCount** set of type action
- → **InputCallback** set of type action
- → **IsOpen** query and set of type bool
- → **LeftCoordSysDefined** query of type action
- → **LeftLastRead** query and set of type bool
- → **LimitMessage** set of type action
- → **LockData** query and set of type ObjString
- → **MakeCurrentCoordSysEditor** set of type action
- → **Open** set of type action
- → **PostMessage** set of type action
- → **PostTransform** set of type action
- → **PreMessage** set of type action
- → **ReadDevicesFromFile** set of type action
- → **RegionBoundaryX** query and set of type float
- → **RegionBoundaryY** query and set of type float
- → **RegionBoundaryZ** query and set of type float
- → **RemoveFromDeviceList** set of type action
- → **RightLastRead** query and set of type bool
- → **SetXScaleDefault** set of type action
- → **SetYScaleDefault** set of type action
- → **TargetObject** query and set of type pointer
- → **UnBlockTransform** set of type action
- → **UseTransform** query and set of type bool
- → **WriteDevicesToFile** set of type action
- → **XMessage** set of type action
- → **YMessage** set of type action

DisplayList

$\rightarrow$ **Add** set of type action

$\rightarrow$ **Draw** set of type action

$\rightarrow$ **Draw2dImageModifiers** set of type action

$\rightarrow$ **OnSliceTolerance** query and set of type float

$\rightarrow$ **QuickDisplay** query and set of type bool

$\rightarrow$ **RedisplayModifiedWindows** set of type action

$\rightarrow$ **RedrawObjects** set of type action

$\rightarrow$ **Remove** set of type action

$\rightarrow$ **RemoveIfPresent** set of type action

$\rightarrow$ **WithinSliceTolerance** query and set of type float

Document

- → **ActualPaperSize** query and set of type EnumeratedList with labels
- → **AddDocGraphic** set of type action
- → **AddDocString** set of type action
- → **AddEncapsulatedPS** set of type action
- → **ColorNotClinical** query and set of type bool
- → **CorrectionXScaleFactor** query of type action
- → **CorrectionYScaleFactor** query of type action
- → **DebugInfo** set of type action
- → **ExpectedPaperSize** query and set of type EnumeratedList with labels
- → **LoadPaperSizesFromFile** set of type action
- → **Margin** query of type action
- → **MarginInInches** set of type action
- → **OutputPostscriptToFile** set of type action
- → **PSCreationDate** query and set of type ObjString
- → **PSCreator** query and set of type ObjString
- → **PSFor** query and set of type ObjString
- → **PSTitle** query and set of type ObjString
- → **PageHeight** query of type action
- → **PageMargin** query of type action
- → **PageOrientation** query and set of type EnumeratedList with labels
- → **PageWidth** query of type action
- → **PageXScaleFactor** query and set of type float
- → **PageYScaleFactor** query and set of type float
- → **PaperSizeList** list of type PaperSize
- → **PixelsFromInches** query of type action
- → **PlanNotClinical** query and set of type bool
- → **Rotation** query and set of type int
- → **Stream** set of type action

DosePlane

- → **Beam** query and set of type
- → **BeamName** query and set of type action
- → **ComputationStatus** query and set of type ObjString
- → **DataType** query and set of type EnumeratedList with labels
- → **DataTypeList** query and set of type StringList
- → **DoseType** query and set of type EnumeratedList with labels
- → **DoseTypeList** query and set of type StringList
- → **DoseUnitsDescr** query of type action
- → **ExportAscii** query and set of type
- → **ExportName** query and set of type ObjString
- → **FlatWaterPhantom** set of type action
- → **InterpolateFromTrial** set of type action
- → **IsDosePending** query of type action
- → **IsDoseValid** query of type action
- → **Name** query of type ObjString set of type action
- → **PlanarDosePointFileList** subobject of type FileList
- → **PlanarDoseStatus** query and set of type action
- → **PlanarDoseVolume** subobject of type Volume
- → **ReadPointsFromFile** query and set of type bool
- → **SetDataType** set of type action
- → **SetDoseType** set of type action
- → **SetReadPointsFromFile** set of type action
- → **SourceToPlaneDistance** query and set of type float
- → **SourceToSurfaceDistance** query and set of type float
- → **TrialObject** query and set of type pointer
- → **VoxelSize** set of type action
- → **XDimension** query and set of type action
- → **YDimension** query and set of type action

DoseProfile

→ **AddPoint** set of type action

→ **AutoCenter** set of type action

→ **AutoModelDescription** query of type action

→ **BreakPointErrorList** list of type SimpleString

→ **ClassDefaultXResolution** query and set of type float

→ **ClassMinimumTailLength** query and set of type float

→ **ColumnFormat** query of type action

→ **ColumnHeader** query of type action

→ **ComputeMetricRegionsBreakPoints** set of type action

→ **Curve** subobject of type CurveNd

→ **DefaultElectronHighDoseBreakPointDoseFraction** query and set of type float

→ **DefaultElectronHighDoseGradientThreshold** query and set of type float

→ **DefaultElectronLowDoseBreakPointDoseFraction** query and set of type float

→ **DefaultHighDoseBreakPointDoseFraction** query and set of type float

→ **DefaultHighDoseGradientThreshold** query and set of type float

→ **DefaultLowDoseBreakPointDoseFraction** query and set of type float

→ **DefaultPhotonHighDoseBreakPointDoseFraction** query and set of type float

→ **DefaultPhotonHighDoseGradientThreshold** query and set of type float

→ **DefaultPhotonLowDoseBreakPointDoseFraction** query and set of type float

→ **DeleteAllPoints** set of type action

→ **DeleteLastPoint** set of type action

→ **DeleteRow** set of type action

→ **DepthDoseMaximumPoint** query and set of type int

→ **DepthDoseOffsetX** query and set of type float

→ **DepthDoseOffsetY** query and set of type float

→ **Description** query of type action

→ **DoseProfileModality** query and set of type EnumeratedList with labels

→ **DoseProfileModalityList** query and set of type StringList

→ **DownSampleFilter** set of type action

→ **ElectronDepthDoseLowerBreakPoint** query and set of type int

→ **ElectronDepthDoseThresholdHigh** query and set of type int

→ **ElectronDepthDoseThresholdLow** query and set of type int

→ **ElectronDepthDoseUpperBreakPoint** query and set of type int

→ **ElectronHighDoseBreakPointDoseFraction** query and set of type float

→ **ElectronHighDoseGradientThreshold** query and set of type float

→ **ElectronLowDoseBreakPointDoseFraction** query and set of type float

→ **EndMessageBatch** set of type action

→ **ExcludeFromMetricsGathering** query and set of type bool

→ **ExportFileList** subobject of type FileList

→ **FirstHeelBreakPoint** query and set of type int

→ **FirstShoulderBreakPoint** query and set of type int

- → **GaussFilter** set of type action
- → **GeometryProfileMismatch** query and set of type bool
- → **GradientFilter** set of type action
- → **HasPoints** query of type action
- → **HighDoseGradientThreshold** query and set of type float
- → **IfUndefinedComputeMetricRegionsBreakPoints** set of type action
- → **ImportFileList** subobject of type FileList
- → **ImportType** query and set of type EnumeratedList with labels
- → **IncludesCrossBeamLowGradientLowDosePoints** query of type action
- → **InsertRowAfter** set of type action
- → **InsertRowBefore** set of type action
- → **IsComputedData** query and set of type bool
- → **IsLastComputedData** query and set of type bool
- → **LastValue** set of type action
- → **LineStyle** subobject of type LineStyle
- → **LineStyleObject** query of type action
- → **MagnitudeCutoff** query and set of type float
- → **MeanDeltaX** query of type action
- → **MeanFilter** set of type action
- → **MedianFilter** set of type action
- → **MetricRegionsAreDefined** query and set of type bool
- → **MirrorAndAverage** set of type action
- → **ModificationDependency** query of type action
- → **Name** query and set of type ObjString
- → **NoiseWindowWidth** query and set of type action
- → **NumColumns** query and set of type
- → **NumRows** query and set of type
- → **NumberOfPoints** query and set of type
- → **Offset** set of type action
- → **OffsetX** set of type action
- → **OffsetY** set of type action
- → **OffsetZ** set of type action
- → **PhotonHighDoseBreakPointDoseFraction** query and set of type float
- → **PhotonHighDoseGradientThreshold** query and set of type float
- → **PhotonLowDoseBreakPointDoseFraction** query and set of type float
- → **Plot** query of type action
- → **PlotStyle** subobject of type PlotStyle
- → **ProfileDepth** query and set of type float
- → **ReadFromFile** set of type action
- → **RestoreOriginalCurve** set of type action
- → **SaveOriginalCurve** set of type action
- → **Scale** set of type action

- → **ScaleX** set of type action
- → **ScaleY** set of type action
- → **ScaleZ** set of type action
- → **SecondHeelBreakPoint** query and set of type int
- → **SecondShoulderBreakPoint** query and set of type int
- → **SelectProfiles** set of type action
- → **SincFilter** set of type action
- → **SortByDimension** set of type action
- → **SourceFileName** query and set of type ObjString
- → **Type** query and set of type EnumeratedList with labels
- → **TypeList** query and set of type StringList
- → **UnselectProfiles** set of type action
- → **UseProfileToDefineMetrics** query and set of type bool
- → **Value** set of type action
- → **ValueUsedToNormalize** query and set of type float
- → **VerifyOKForDigitization** query of type action
- → **X** query and set of type
- → **XOffset** query and set of type float
- → **XProfileOffsetY** query and set of type float
- → **XScale** query and set of type float
- → **Y** query and set of type
- → **YOffset** query and set of type float
- → **YProfileOffsetX** query and set of type float
- → **YScale** query and set of type float

DoseRate

$\rightarrow$ **DoseRate** query and set of type float

DoseVolHist

→ **AutoComputeBinSize** query and set of type bool

→ **AutoComputeMaxDose** query and set of type

→ **Beam** query and set of type

→ **BeamName** query and set of type action

→ **BeginMessageBatch** query and set of type bool

→ **BinSize** query of type float set of type action

→ **BinSizeP** query of type float set of type action

→ **BroadcastRegenerateDependency** set of type action

→ **ColumnFormat** query of type action

→ **ColumnHeader** query of type action

→ **ColumnsPerRow** query and set of type int

→ **ComputedNTCP** query and set of type float

→ **DVHGroupObject** query and set of type pointer

→ **DashColor** query of type ObjString set of type action

→ **Data** subobject of type CurveNd

→ **Description** query of type action

→ **DoseMax** query and set of type float

→ **DoseMaxDisplay** query of type action

→ **DoseMean** query and set of type float

→ **DoseMeanDisplay** query of type action

→ **DoseMin** query and set of type float

→ **DoseMinDisplay** query of type action

→ **DoseStd** query and set of type float

→ **DoseStdDisplay** query of type action

→ **DrawLineType** query and set of type action

→ **EffectiveVolume** query and set of type float

→ **EndMessageBatch** set of type action

→ **ForceRegenerate** set of type action

→ **IncludeInReports** query and set of type bool

→ **LineStyle** subobject of type LineStyle

→ **LineStyleObject** query of type action

→ **MaxDoseOverride** query and set of type

→ **ModificationDependency** query of type action

→ **NTCP** subobject of type NTCP

→ **NTCPDisplay** subobject of type AnnotatedCurve

→ **NTCPDisplayMaxDose** query and set of type float

→ **NTCPDisplayPlotStyle** subobject of type PlotStyle

→ **NTCPDisplayVolume** query and set of type float

→ **NTCPLabel** query of type action

→ **Name** query and set of type ObjString

→ **NumColumns** query of type int

$\rightarrow$ **NumRows** query of type action

$\rightarrow$ **NumberOfBins** query of type int set of type action

$\rightarrow$ **NumberOfBinsP** query of type int set of type action

$\rightarrow$ **NumberOfPoints** query and set of type

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **PercentOutOfRange** query and set of type float

$\rightarrow$ **PercentUnknown** query and set of type float

$\rightarrow$ **Regenerate** set of type action

$\rightarrow$ **RegionOfInterest** subobject of type RegionOfInterest

$\rightarrow$ **RegionOfInterestName** query and set of type action

$\rightarrow$ **RoiGroup** query and set of type

$\rightarrow$ **RowHeader** query of type action

$\rightarrow$ **Trial** query and set of type action

$\rightarrow$ **TrialName** query and set of type action

$\rightarrow$ **TrialTagName** query and set of type action

$\rightarrow$ **Value** query of type action

$\rightarrow$ **Volume** query and set of type float

$\rightarrow$ **X** query and set of type

$\rightarrow$ **Y** query and set of type

DyeKom

→ **AETitle** query and set of type ObjString

→ **AETitles** query of type action

→ **AnyImages** query and set of type bool

→ **CkProgress** query of type action

→ **DICOMDir** query of type ObjString set of type action

→ **FailureType** query and set of type ObjString

→ **InProgress** query and set of type bool

→ **IsIdle** query and set of type bool

→ **NoMerge** query and set of type ObjString

→ **PatientBusy** query of type action

→ **PreDICOMDir** query and set of type ObjString

→ **StartXfer** set of type action

→ **Timer** set of type action

→ **XferBad** query and set of type bool

→ **XferOK** query and set of type bool

DynamicWedgeData

→ **AngleType** query and set of type int

→ **CheckProfiles** query of type action

→ **DisplayProfile** set of type action

→ **EndMessageBatch** set of type action

→ **InstallPhotonEnergy** set of type action

→ **LoadFluenceFilterInfo** set of type action

→ **ModificationDependency** query and set of type bool

→ **Name** query and set of type ObjString

→ **ProfileValidity** query and set of type action

→ **RelatedGeometries** query and set of type

→ **SetVendor** set of type action

→ **TransmissionFactor** query and set of type float

→ **UninstallPhotonEnergy** set of type action

→ **UpdateRelatedGeometries** set of type action

→ **VendorDataList** pluriform list of types VarianDynamicWedge SiemensDynamicWedge

→ **VendorType** query and set of type action

EPID

→ **Length** query of type float set of type action

→ **Name** query and set of type ObjString

→ **SID** query of type float set of type action

→ **SPD** query and set of type float

→ **SSD** query of type action

→ **Side** query of type action

→ **Thickness** query of type float set of type action

→ **Width** query of type float set of type action

EPIDDensity

$\rightarrow$ **DestroyGrids** set of type action

$\rightarrow$ **EPIDDoseObject** query of type pointer set of type action

$\rightarrow$ **GridsReady** query of type action

$\rightarrow$ **SetupGrids** set of type action

EPIDDose

$\rightarrow$ **Beam** query and set of type

$\rightarrow$ **BeamName** query and set of type action

$\rightarrow$ **Dose** subobject of type Volume

$\rightarrow$ **EPIDName** query and set of type action

$\rightarrow$ **Fluence** subobject of type Volume

$\rightarrow$ **HasEPID** query of type action

$\rightarrow$ **Image** subobject of type Volume

$\rightarrow$ **ImageType** query and set of type EnumeratedList with labels

$\rightarrow$ **ImageTypeList** query and set of type StringList

$\rightarrow$ **IsImagePending** query of type action

$\rightarrow$ **IsImageValid** query of type action

$\rightarrow$ **Name** query of type ObjString set of type action

$\rightarrow$ **Output** set of type action

$\rightarrow$ **Resolution** query and set of type action

$\rightarrow$ **SID** query of type action

$\rightarrow$ **SPD** query and set of type float

$\rightarrow$ **SSD** query of type action

$\rightarrow$ **SetImageType** set of type action

$\rightarrow$ **Size** query of type float set of type action

$\rightarrow$ **Status** query and set of type action

$\rightarrow$ **StatusString** query and set of type ObjString

$\rightarrow$ **TrialObject** query and set of type pointer

ElectronApplicator

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **CutoutHalfXOutside** query and set of type float

$\rightarrow$ **CutoutHalfYOutside** query and set of type float

$\rightarrow$ **CutoutIsDivergent** query and set of type bool

$\rightarrow$ **CutoutIsRectangular** query and set of type bool

$\rightarrow$ **CutoutMassDensity** query of type float set of type action

$\rightarrow$ **CutoutMaterial** query of type ObjString set of type action

$\rightarrow$ **CutoutThickness** query and set of type float

$\rightarrow$ **EndMessageBatch** query and set of type bool

$\rightarrow$ **JawApertureData** subobject of type AnnotatedCurve

$\rightarrow$ **Length** query and set of type float

$\rightarrow$ **ManufacturerCode** query and set of type ObjString

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **PatientFreeDistalZ** query of type action

$\rightarrow$ **ScraperList** list of type Scraper

$\rightarrow$ **SourceToCutoutDistance** query and set of type float

$\rightarrow$ **Width** query and set of type float

ElectronCone

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **ConeSize** query of type float set of type action

$\rightarrow$ **ElectronModelObject** query and set of type pointer

$\rightarrow$ **EndMessageBatch** query of type bool set of type action

$\rightarrow$ **RemoveFromList** set of type action

$\rightarrow$ **XRatio** subobject of type AnnotatedCurve

$\rightarrow$ **YRatio** subobject of type AnnotatedCurve

ElectronModel

→ **ComputedIncidentEnergy** query of type action

→ **ComputedProfileDepth** query of type action

→ **ConeList** list of type ElectronCone

→ **CutoutMaterialTransmissionFactor** query and set of type

→ **DepthDoseCurve** subobject of type CurveNd

→ **DepthStepSize** query and set of type float

→ **DriftDistance** query and set of type float

→ **FMCS** query and set of type float

→ **FileChecksum** query and set of type ObjString

→ **IncidentEnergy** query and set of type float

→ **InvalidateChecksum** set of type action

→ **InvalidateMatchingProfiles** set of type action

→ **OffAxisRatio** query and set of type

→ **OffAxisWeightFactor** query and set of type

→ **PhysicsDataObject** subobject of type PhysicsData

→ **PracticalRange** query and set of type float

→ **PreviousPracticalRange** query and set of type action

→ **ProfileDepth** query and set of type float

→ **ReferenceSSD** query and set of type float

→ **RestorePracticalRange** set of type action

→ **SetupSSD** query and set of type float

→ **SigmaThetaX** query and set of type float

→ **SuppressProfileWarnings** query and set of type bool

→ **VirtualSSD** query and set of type float

→ **WaterPhantomLateralSize** query and set of type float

→ **WaterPhantomVerticalResolution** query and set of type float

→ **WaterPhantomVerticalSize** query and set of type float

Element

$\rightarrow$ **AtomicMass** query and set of type float

$\rightarrow$ **AtomicNumber** query and set of type int

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **Symbol** query and set of type ObjString

ExportDVF

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **DeformationTime** query and set of type int

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **ExportBinaryMask** set of type action

$\rightarrow$ **ExportDVFAction** set of type action

$\rightarrow$ **FixedVolumeName** query and set of type string

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **MaskCompare** set of type action

$\rightarrow$ **MaskCompareAndReport** set of type action

$\rightarrow$ **MaskCompareAndReportUsingInputRoiFile** set of type action

$\rightarrow$ **MovingVolumeName** query and set of type string

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

FeatureDetector

→ **AdaptOnFilteredDataset** query and set of type bool

→ **AvoidCTRange** query and set of type EnumeratedList with labels

→ **AvoidCTRangeIndex** query and set of type int

→ **AvoidCTRangeList** query and set of type StringList

→ **AvoidCTThreshold** query of type float set of type action

→ **BeginMessageBatch** set of type action

→ **EndMessageBatch** set of type action

→ **FeatureWeight** query and set of type float

→ **GradientClipping** query and set of type EnumeratedList with labels

→ **GradientClippingIndex** query and set of type int

→ **GradientClippingList** query and set of type StringList

→ **GradientDirection** query and set of type EnumeratedList with labels

→ **GradientDirectionIndex** query and set of type int

→ **GradientDirectionList** query and set of type StringList

→ **LimitFeatureSearch** query and set of type EnumeratedList with labels

→ **LimitFeatureSearchList** query and set of type StringList

→ **LowerCTBound** query of type float set of type action

→ **MaximumGradient** query of type float set of type action

→ **PixelSize** query and set of type float

→ **ProfileLength** query and set of type int

→ **UpperCTBound** query of type float set of type action

→ **ZeroSampleStop** query of type action

FieldHelp

$\rightarrow$ **DescriptionAndLimit** query and set of type ObjString

$\rightarrow$ **FieldName** query and set of type ObjString

$\rightarrow$ **QueryValueKey** query and set of type ObjString

$\rightarrow$ **Selector** query and set of type ObjString

$\rightarrow$ **WindowName** query and set of type ObjString

FileName

→ **DirectoryName** query of type ObjString

→ **ExpandedName** query of type ObjString

→ **FileStatus** query of type int

→ **IsDirectory** query of type action

→ **IsValid** query of type action

→ **IsWritable** query of type action

→ **Name** query of type ObjString set of type action

→ **RootName** query of type ObjString

FilmAnnotation

- → **DisplayBeamGeometry** query and set of type bool

- → **DisplayComment** query and set of type bool

- → **DisplayDependency** query of type action

- → **DisplayInstitutionInfo** query and set of type bool

- → **DisplayIsocenterInfo** query and set of type bool

- → **DisplayMachineInfo** query and set of type bool

- → **DisplayModifiers** query and set of type bool

- → **DisplayPrescriptionInfo** query and set of type bool

- → **DisplayRequiredInfo** query and set of type bool

- → **Printing** query and set of type bool

FilmImage

- → **ApplyBoundingBox** query of type bool set of type action
- → **ApplyDcrControl** query and set of type bool
- → **ApplyDrrControl** query of type bool set of type action
- → **ApplyOpacityTable** query and set of type bool
- → **AutoWLMode** query of type bool set of type action
- → **BBDependency** query and set of type pointer
- → **BEVOptions** query and set of type StringList
- → **Beam** query and set of type
- → **BeamFineTuneOpacity** query and set of type action
- → **BeamObject** query and set of type pointer
- → **BeginMessageBatch** set of type action
- → **BoundingBox** subobject of type BoundingBox
- → **BoxMode** query and set of type bool
- → **ClassifList** list of type ClassifParam
- → **ColumnFormat** query and set of type
- → **ColumnHeader** query and set of type
- → **CtToOpacityTable** subobject of type CtToOpacityTable
- → **CurrentGate** query of type int set of type action
- → **DCRAutoWLMode** query and set of type bool
- → **DCRBrightness** query and set of type int
- → **DCRContrast** query and set of type int
- → **DCRHi** query and set of type int
- → **DCRLo** query and set of type int
- → **DCROpacity** query and set of type action
- → **DRRAutoWLMode** query and set of type bool
- → **DRRValid** query and set of type action
- → **DcrControlLevel** query and set of type float
- → **DcrControlLoadPreset** set of type action
- → **DcrControlTable** subobject of type CtToDensityTable
- → **DcrControlType** query and set of type EnumeratedList with labels
- → **DcrControlTypeList** query and set of type StringList
- → **DcrControlWindow** query and set of type float
- → **DcrSliderList** list of type DcrSlider
- → **DcrTableMax** query and set of type int
- → **DcrTableMin** query and set of type int
- → **DrawOpacity** query and set of type action
- → **DrrControlLevel** query and set of type float
- → **DrrControlLoadPreset** set of type action
- → **DrrControlMaxDensity** query and set of type float
- → **DrrControlNoRender** query and set of type bool
- → **DrrControlTable** subobject of type CtToDensityTable

→ **DrrControlType** query and set of type EnumeratedList with labels

→ **DrrControlTypeList** query and set of type StringList

→ **DrrControlWindow** query and set of type float

→ **EndMessageBatch** set of type action

→ **FastDRRSpecs** subobject of type DRRSpecs

→ **FastImage** subobject of type Volume

→ **Film1Fraction** query and set of type float

→ **Film1Index** query and set of type int

→ **Film2Index** query and set of type int

→ **FineTuneOpacity** query and set of type action

→ **FinishModifyOpacity** set of type action

→ **GateMode** query of type bool set of type action

→ **GatedVolumes** query of type int set of type action

→ **HighQuality** query and set of type action

→ **Image** subobject of type Volume

→ **ImageData** query and set of type action

→ **InvalidateDRR** set of type action

→ **IsoUpdate** query and set of type bool

→ **IsodensityAllOff** set of type action

→ **IsodensityOff** set of type action

→ **IsodensityUpdate** set of type action

→ **LoadContrastBrightness** set of type action

→ **LoadNewDcrPreset** set of type action

→ **ModificationDependency** query of type action

→ **ModifyOpacity** set of type action

→ **Name** query and set of type ObjString

→ **NormalDRRSpecs** subobject of type DRRSpecs

→ **NumClassifBins** query of type action

→ **NumColumns** query and set of type

→ **NumRows** query and set of type

→ **OpacityGraphUpdate** set of type action

→ **OpacityTable** subobject of type LookupTable

→ **OpacityUpdate** set of type action

→ **Options** set of type action

→ **OverrideDRRAutoGeneration** query and set of type bool

→ **PatientVolumeHistogram** query and set of type pointer

→ **RemoveGatedVolume** set of type action

→ **ResetBeamFineTuneOpacity** set of type action

→ **ResetDcrMinMax** set of type action

→ **ResetFineTuneOpacity** set of type action

→ **RowHeader** query and set of type

→ **SetupClassifBins** set of type action

$\rightarrow$ **SourceToFilmDistance** query and set of type float

$\rightarrow$ **Type** query and set of type EnumeratedList with labels

$\rightarrow$ **UseDCR** query and set of type bool

$\rightarrow$ **UseHighQuality** query and set of type bool

$\rightarrow$ **VolumesInvalid** query and set of type bool

$\rightarrow$ **WindowType** query and set of type int

Float

$\rightarrow$ **Absolute** query and set of type action

$\rightarrow$ **Add** set of type action

$\rightarrow$ **Divide** set of type action

$\rightarrow$ **Invert** set of type action

$\rightarrow$ **Multiply** set of type action

$\rightarrow$ **Negate** set of type action

$\rightarrow$ **Nint** query and set of type action

$\rightarrow$ **Round** query and set of type action

$\rightarrow$ **Square** set of type action

$\rightarrow$ **SquareRoot** set of type action

$\rightarrow$ **Subtract** set of type action

$\rightarrow$ **Value** query and set of type float

FloatBinNd

    $\rightarrow$ **BinDescList** list of type BinDesc

    $\rightarrow$ **Data** query and set of type pointer

    $\rightarrow$ **NumberOfDimensions** query and set of type int

    $\rightarrow$ **PointsBinaryIO** query and set of type action

    $\rightarrow$ **PointsBinaryIOSupported** query and set of type bool

    $\rightarrow$ **TotalBinCount** query and set of type int

Gate

   → **AVGDone** query and set of type bool

   → **AVGVolume** query and set of type

   → **BeginPhase** query and set of type ObjString

   → **CreateAVG** set of type action

   → **CreateMIP** set of type action

   → **CreateMinIP** set of type action

   → **CurrentVolIndex** query of type action

   → **CurrentVolume** query and set of type pointer

   → **EndPhase** query and set of type ObjString

   → **FirstVolume** query of type action

   → **GatePhases** query and set of type StringList

   → **ImportedAVG** query and set of type bool

   → **ImportedMIP** query and set of type bool

   → **ImportedMinIP** query and set of type bool

   → **LoadComputedPhases** set of type action

   → **MIPDone** query and set of type bool

   → **MIPVolume** query and set of type

   → **MinIPDone** query and set of type bool

   → **MinIPVolume** query and set of type

   → **NextGated** query of type action

   → **NextVolume** query of type action

   → **NoDatasetComp** query and set of type bool

   → **NumGated** query and set of type int

   → **PreviousGated** query of type action

   → **PreviousVolume** query of type action

   → **PrimaryPhases** query and set of type StringList

   → **RemoveAVG** set of type action

   → **RemoveMIP** set of type action

   → **RemoveMinIP** set of type action

   → **SaveComputedPhases** set of type action

   → **SavePhase** query and set of type ObjString

   → **SaveSet** query and set of type bool

   → **SaveVolume** query and set of type

   → **SetToPhase** set of type action

   → **SetVolumes** set of type action

   → **TotalGated** query and set of type int

   → **VolumePhases** query and set of type StringList

GeoObject

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

HalfBeamProfile

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EffectiveSourceSize** query and set of type float

→ **EffectiveSourceSizeCutoff** query and set of type float

→ **EffectiveSourceSizeSlope** query and set of type float

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **FitHalfBeam** set of type action

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsLeftBlocked** query and set of type bool

→ **IsRangeValid** query of type bool

→ **IsSymmetric** query and set of type bool

→ **MeasuredDataReadIn** query and set of type bool

→ **Name** query and set of type string

→ **OffSetSubProfiles** set of type action

→ **Offset** query and set of type float

→ **Profile** query of type int

→ **Range** query and set of type float

→ **ResetHalfBeam** set of type action

→ **SubProfileList** list of type SubProfile

HotScriptList

    $\rightarrow$ **FileLocation** subobject of type FileName

    $\rightarrow$ **FileSelectionList** subobject of type FileList

    $\rightarrow$ **Load** set of type action

    $\rightarrow$ **LoadAllLists** set of type action

    $\rightarrow$ **MinimumLength** query and set of type int

    $\rightarrow$ **Save** set of type action

IECCoords

$\rightarrow$ **BlockInfo** query and set of type action

$\rightarrow$ **Collimator** query and set of type action

$\rightarrow$ **CompensatorInfo** query and set of type action

$\rightarrow$ **Couch** query and set of type action

$\rightarrow$ **CouchStop** query and set of type action

$\rightarrow$ **Count** query of type action

$\rightarrow$ **Current** query and set of type action

$\rightarrow$ **Gantry** query and set of type action

$\rightarrow$ **GantryStop** query and set of type action

$\rightarrow$ **IsXAsymmetric** query and set of type action

$\rightarrow$ **IsYAsymmetric** query and set of type action

$\rightarrow$ **MLCAlignedWithX** query of type action

$\rightarrow$ **MLCInfo** query and set of type action

$\rightarrow$ **ODMInfo** query and set of type action

$\rightarrow$ **WedgeOrientation** query and set of type action

$\rightarrow$ **X1InMM** query and set of type action

$\rightarrow$ **X1MaxInMM** query of type action

$\rightarrow$ **X2InMM** query and set of type action

$\rightarrow$ **X2MaxInMM** query of type action

$\rightarrow$ **Y1InMM** query and set of type action

$\rightarrow$ **Y1MaxInMM** query of type action

$\rightarrow$ **Y2InMM** query and set of type action

$\rightarrow$ **Y2MaxInMM** query of type action

IMRTPreferences

- → **ComputeFinalDose** query and set of type bool
- → **DMPOMinSegmentArea** query and set of type float
- → **DMPOMinSegmentMUs** query and set of type float
- → **DoseIteration** query and set of type int
- → **FinalDoseEngine** query and set of type ObjString
- → **FinalDoseEngineList** query and set of type StringList
- → **IMFASTMinSegmentArea** query and set of type float
- → **IMFASTMinSegmentMUs** query and set of type float
- → **IntermediateDoseEngine** query and set of type ObjString
- → **IntermediateDoseEngineList** query and set of type StringList
- → **KMeansMinSegmentArea** query and set of type float
- → **KMeansMinSegmentMUs** query and set of type float
- → **MaxIterations** query and set of type int
- → **MaxOverlapDistance** query and set of type float
- → **MinLeafEndSepIMRT** query and set of type float
- → **MinLeafPairs** query and set of type int
- → **MinOverlapDistance** query and set of type float
- → **SaveCPDoseForDynamicArc** query and set of type bool
- → **SiemensLeafGap** query and set of type float
- → **SmartArc_ComputeInterDose** query and set of type bool
- → **SmartArc_FinalGantrySpacing** query and set of type ObjString
- → **SmartArc_FinalGantrySpacingList** query and set of type StringList
- → **SmartArc_InterDoseEngine** query and set of type ObjString
- → **SmartArc_InterDoseEngineList** query and set of type StringList
- → **SmartArc_MaxDeliveryTime** query and set of type float
- → **SmartArc_MaxLeafMotion** query and set of type float

IMRTTrial

→ **ApplyODMTran** query and set of type bool

→ **BeamExtensionList** query and set of type

→ **BeamWeightOptimizationAfterConversion** query and set of type bool

→ **ClassName** query of type string

→ **CoexistenceFactor** query and set of type float

→ **ComputeFinalDose** query and set of type bool

→ **ComputeIntermediateDose** query and set of type bool

→ **ConstrainLeafMotion** query and set of type bool

→ **ConvertAfterOptimization** query and set of type bool

→ **Destroy** set of type action

→ **DoseIteration** query and set of type int

→ **Existence** query of type bool

→ **FieldEdgeOverlap** query and set of type

→ **FineResolutionODM** query and set of type bool

→ **HasBeamExtensionList** query of type bool

→ **IsFiling** query of type bool

→ **LeafMotionConstraint** query and set of type float

→ **LimitMU** query and set of type bool

→ **MaxDynamicSegments** query and set of type int

→ **MaximumMUPerSegment** query and set of type float

→ **MaximumOverlap** query and set of type float

→ **MinDoseRate** query and set of type float

→ **MinLeafEndSepIMRT** query and set of type float

→ **MinLeafEndSepSA** query and set of type float

→ **MinLeafGap** query and set of type float

→ **MinLeafPairCount** query and set of type int

→ **MinimumMUPerSegment** query and set of type float

→ **MinimumOverlap** query and set of type float

→ **MinimumSegmentArea** query and set of type float

→ **ODMLowerBound** query and set of type float

→ **RemoveCPs** query and set of type bool

→ **ResearchCompositeName** query and set of type string

→ **ResearchROI** query and set of type

→ **ResearchROIName** query and set of type string

→ **ResearchTargetDose** query and set of type float

→ **TrialWasOptimized** query and set of type bool

→ **UseCoexistenceFactor** query and set of type bool

→ **UseResearchCompositeFunction** query and set of type bool

→ **UseSVD** query and set of type bool

ImageInfo

- → **BeginMessageBatch** set of type action
- → **ByteOffset** query and set of type
- → **ClassUID** query and set of type action
- → **CloseDICOMFile** set of type action
- → **ColorLUTScale** query and set of type float
- → **ComputedThickness** query and set of type float
- → **ContainerObject** query and set of type pointer
- → **CouchPos** query and set of type float
- → **DICOMFileName** query and set of type action
- → **DecrementSliceNumber** set of type action
- → **EndMessageBatch** set of type action
- → **Fraction** query and set of type float
- → **FrameUID** query and set of type action
- → **GantryAngle** query and set of type
- → **GetDICOMAttribute** query of type action
- → **ImageFileName** query and set of type
- → **IncrementSliceNumber** set of type action
- → **InstanceUID** query and set of type action
- → **IsDICOM** query of type action
- → **OpenDICOMFile** set of type action
- → **SUVScale** query and set of type float
- → **ScanType** query and set of type
- → **SeriesUID** query and set of type action
- → **SharesZCoordinate** query and set of type bool
- → **SiblingList** query and set of type
- → **SiblingListObject** query and set of type pointer
- → **SliceNumber** query of type int set of type action
- → **SliceThickness** query and set of type
- → **StudyInstanceUID** query and set of type action
- → **TableAngle** query and set of type
- → **TablePosition** query and set of type action
- → **TablePositionAltered** query and set of type bool
- → **XDim** query and set of type
- → **XPixelDim** query and set of type
- → **XStart** query and set of type
- → **YDim** query and set of type
- → **YPixelDim** query and set of type
- → **YStart** query and set of type
- → **ZCoordinate** query and set of type action
- → **ZCoordinateNoCheck** query of type float set of type action
- → **ZCoordinateWithOffset** query of type action

→ **ZOffset** query and set of type float

ImpProfileList

- $\rightarrow$ **ApplyToAllProfiles** query and set of type bool
- $\rightarrow$ **DetermineImportTypeForFile** set of type action
- $\rightarrow$ **Energy** query and set of type int
- $\rightarrow$ **FaultTolerant** query and set of type bool
- $\rightarrow$ **ImportFileList** subobject of type FileList
- $\rightarrow$ **LastImportType** query and set of type EnumeratedList with labels
- $\rightarrow$ **LoadXLPlanMachineNames** set of type action
- $\rightarrow$ **Machine** query and set of type pointer
- $\rightarrow$ **ProfileList** list of type ImportedProfile
- $\rightarrow$ **ReadFromFile** set of type action
- $\rightarrow$ **ReadFromFilesInList** set of type action
- $\rightarrow$ **ScanListForXLPlanFile** set of type action
- $\rightarrow$ **ToggleWedgeOrientation** set of type action
- $\rightarrow$ **XLPlanMachineList** list of type XLPlanMachine

ImportedProfile

$\rightarrow$ **DefaultEnergy** query and set of type int

$\rightarrow$ **Energy** query and set of type int

$\rightarrow$ **FileName** query and set of type ObjString

$\rightarrow$ **Geometry** subobject of type MeasureGeometry

$\rightarrow$ **ImportIntoNewGeometry** query and set of type bool

$\rightarrow$ **Machine** query of type pointer set of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **Profile** subobject of type DoseProfile

$\rightarrow$ **ProfileNumber** query and set of type int

InversePlanningManager

→ **ActiveWindow** set of type pointer

→ **AddObjective** set of type action

→ **ApplyODMTran** query and set of type bool

→ **BeamSplitter** subobject of type BeamSplitter

→ **BeamWeightOptimizationAfterConversion** query and set of type bool

→ **BeginMessageBatch** set of type action

→ **CPWeightLowerBound** query and set of type float

→ **CPWeightUpperBound** query and set of type float

→ **Cancel** set of type action

→ **CancelOptimization** set of type action

→ **ClassName** query of type string

→ **CoexistenceFactor** query and set of type float

→ **CombinedObjectiveList** pluriform list of types OrbitResearchConstraint OrbitEUDConstraint OrbitD-VHConstraint OrbitDoseConstraint OrbitUniformityConstraint OrbitResearchObjective OrbitEUDObjective OrbitDVHObjective OrbitDoseObjective Objective

→ **CombinedObjectiveTypeNames** query of type StringList

→ **ComputeFinalDose** query and set of type bool

→ **ComputeTrialObjectives** set of type action

→ **ConstraintManager** subobject of type ConstraintManager

→ **ConvertAfterOptimization** query and set of type bool

→ **CopyObjectivesToTrial** set of type int

→ **CurrentObjectiveConstraintIndex** query and set of type int

→ **CurrentObjectiveConstraintIs** query of type bool

→ **CurrentObjectiveConstraintString** query and set of type string

→ **DeleteCurrentObjective** set of type action

→ **DeliveryConverterManager** subobject of type DeliveryConverterManager

→ **Destroy** set of type action

→ **DoseEngineForIntermediateDose** query and set of type string

→ **DoseEngineManager** subobject of type DoseEngineManager

→ **DoseIteration** query and set of type int

→ **DrawPlot** query and set of type pointer

→ **DrawProgressPlot** subobject of type InversePlanningManager

→ **EndLoadPlugins** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **ExternalParameterCount** query and set of type int

→ **FieldEdgeOverlap** query and set of type

→ **FineResolutionODM** query and set of type bool

→ **FireDependency** set of type string

→ **Initialize** set of type action

→ **InnerMargin** query and set of type float

→ **InstanceName** query of type string

- → **InterpolateControlPointsForBeam** set of type pointer
- → **IsFiling** query of type bool
- → **IsNewer** query of type bool
- → **IsOkForBioOpt** query of type bool
- → **IsOkForDMPO** query of type bool
- → **IsOkForSlidingWindow** query of type bool
- → **IsOkForSmartArc** query of type bool
- → **IsOkToSave** query and set of type bool
- → **LeftRightJawMargin** query and set of type float
- → **LimitMU** query and set of type bool
- → **LoadPersistentData** set of type action
- → **MakeBeamsStepShoot** query and set of type bool
- → **MaxDynamicSegments** query and set of type int
- → **MaxIterations** query and set of type int
- → **MaximumOverlap** query and set of type float
- → **MinLeafEndSepIMRT** query and set of type float
- → **MinLeafEndSepSA** query and set of type float
- → **MinLeafPairCount** query and set of type int
- → **MinimumEquivalentSquare** query and set of type float
- → **MinimumMUPerSegment** query and set of type float
- → **MinimumOverlap** query and set of type float
- → **MinimumSegmentArea** query and set of type float
- → **ODMLowerBound** query and set of type float
- → **ODMUpperBound** query and set of type float
- → **ObjectiveChange** set of type pointer
- → **ObjectiveConstraintNameList** query of type StringList
- → **ObjectiveManager** subobject of type ObjectiveManager
- → **OptimizationManager** subobject of type OptimizationManager
- → **OptimizationParameterList** query of type StringList
- → **OptimizationParameterType** query and set of type string
- → **OptimizeAndConvert** set of type action
- → **Optimizing** query of type bool
- → **OuterMargin** query and set of type float
- → **ParameterCount** query of type int
- → **PluginName** query of type string
- → **PrevOptTrialList** list of type IMRTTrial
- → **PrintIMRTReport** set of type action
- → **PrintODMForCurrentBeam** set of type action
- → **ProtocolManager** subobject of type ProtocolManager
- → **ReassignObjectiveIndexes** set of type action
- → **RefreshObjectiveValues** set of type action
- → **ResearchCompositeName** query and set of type string

$\rightarrow$ **ResearchPluginDirectory** query and set of type string

$\rightarrow$ **ResearchROI** query and set of type

$\rightarrow$ **ResearchROIName** query and set of type string

$\rightarrow$ **ResearchTargetDose** query and set of type float

$\rightarrow$ **ResetBeamsForIMRT** set of type action

$\rightarrow$ **Resetting** query of type bool

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **SavePersistentData** query of type int

$\rightarrow$ **SegmentSorterManager** subobject of type SegmentSorterManager

$\rightarrow$ **SetConstrain** set of type bool

$\rightarrow$ **SetObjective** set of type pointer

$\rightarrow$ **SetObjectiveType** set of type string

$\rightarrow$ **StepShootInnerMargin** query and set of type float

$\rightarrow$ **StepShootOuterMargin** query and set of type float

$\rightarrow$ **SuppressOptFinishedOutputMessages** query and set of type bool

$\rightarrow$ **TopBottomJawMargin** query and set of type float

$\rightarrow$ **TrialList** list of type IMRTTrial

$\rightarrow$ **UnitTestMode** query and set of type bool

$\rightarrow$ **UnloadPlan** set of type action

$\rightarrow$ **UpdateControlPointParameters** set of type action

$\rightarrow$ **UseCoexistenceFactor** query and set of type bool

$\rightarrow$ **UseResearchCompositeFunction** query and set of type bool

$\rightarrow$ **UseSVD** query and set of type bool

IrregPoint

→ **ClassDefaultDepth** query and set of type float

→ **ClassDefaultSSD** query and set of type float

→ **ClassSimulatorSAD** query and set of type float

→ **Color** query and set of type ObjString

→ **Depth** query and set of type float

→ **DepthCheckLock** set of type action

→ **DisplayRadius** query and set of type float

→ **Dose** query of type action

→ **DosePerMonitorUnit** query and set of type float

→ **DosePerMonitorUnitIfValid** query of type action

→ **DoseValid** query and set of type bool

→ **LockRaylineString** query of type action

→ **LockToRayline** query and set of type bool

→ **MonitorUnits** query and set of type float

→ **Name** query and set of type ObjString

→ **NormalizedDose** query and set of type float

→ **NormalizedDoseIfValid** query of type action

→ **RescaleXYToNewSAD** set of type action

→ **SSD** query and set of type float

→ **SSDCheckLock** set of type action

→ **SourceToPointDistance** query of type action

→ **XCoord** query and set of type float

→ **XCoordAtSAD** set of type action

→ **YCoord** query and set of type float

→ **YCoordAtSAD** set of type action

IsodoseControl

→ **AddToDisplayList** set of type action

→ **EndMessageBatch** set of type action

→ **LineList** list of type IsodoseLine

→ **NormalizationMode** query and set of type EnumeratedList with labels

→ **ObjectVersion** subobject of type ObjectVersion

→ **RemoveFromDisplayList** set of type action

→ **UpdateColorTable** set of type action

→ **UpdateLines** set of type action

→ **UpdateVolumeName** set of type action

IsodoseLine

   → **Color** query and set of type ObjString

   → **ColorPixel** query and set of type ObjString

   → **CopyToRoiList** set of type action

   → **Display2dOn** query and set of type bool

   → **Display3dMode** query and set of type EnumeratedList with labels

   → **IsPercentage** query and set of type bool

   → **IsoValue** query and set of type float

   → **IsoValueLabel** query of type action

   → **LineWidth** query and set of type int

   → **LineWidthList** query and set of type StringList

   → **LineWidthString** query and set of type action

   → **RecomputeLine** set of type action

   → **RedisplayLine** set of type action

   → **TrialLineList** list of type TrialIsodoseLine

Isotope

→ **ActiveLength** query and set of type float

→ **ActiveLengthInCM** query and set of type action

→ **ActiveLengthInMM** set of type action

→ **AirRoentgenToRadFactor** query and set of type float

→ **AirRoentgenToRadUnits** query and set of type EnumeratedList with labels

→ **AnisotropyFunction** subobject of type Volume

→ **BeginMessageBatch** query and set of type bool

→ **CalibratedSourceList** list of type CalibratedSource

→ **CancelComputation** set of type action

→ **CartesianAnisotropyFunction** query of type bool set of type action

→ **CartesianGeometryFunction** query of type bool set of type action

→ **CommissionVersion** query and set of type ObjString

→ **CommissionedBy** query and set of type ObjString

→ **ComputationVersion** query and set of type ObjString

→ **ComputeGeometryFunction** query and set of type bool

→ **ComputeLookupTableFromGeometry** query and set of type bool

→ **ComputeRadialFunction** query and set of type bool

→ **ConfirmChangeAnisotropyFunction** query of type action

→ **ConfirmChangeManualGeometryFunction** query of type action

→ **ConfirmChangeManualRadialFunction** query of type action

→ **ConfirmGeometryFunctionModification** query of type action

→ **ConfirmLookupIsValid** query of type action

→ **ConfirmParameterChange** query of type action

→ **ConfirmRadialFunctionModification** query of type action

→ **DistanceUnitsList** query and set of type StringList

→ **DoseLookupTable** query and set of type

→ **DoseRateConstant** query and set of type float

→ **DoseRateConstantUnits** query and set of type EnumeratedList with labels

→ **EndMessageBatch** set of type action

→ **GammaFactor** query and set of type float

→ **GammaUnits** query and set of type EnumeratedList with labels

→ **GeometryFunction** subobject of type Volume

→ **HalfLife** query and set of type float

→ **HalfLifeUnits** query and set of type EnumeratedList with labels

→ **HalfLifeUnitsList** query and set of type StringList

→ **Institution** query and set of type ObjString

→ **IsComputing** query of type action

→ **IsDeleted** query and set of type bool

→ **IsExposureRateConstant** query of type action

→ **IsLineSource** query of type action

→ **IsotopeId** query and set of type int

→ **LateralSourceStepSize** query and set of type float

→ **LateralStepSizeDivisor** query and set of type float

→ **LateralVoxelSize** query and set of type

→ **LineSourceEndpointOffset** query and set of type float

→ **LinearAbsorptionUnits** query and set of type EnumeratedList with labels

→ **LoginName** query and set of type ObjString

→ **LookupTable** subobject of type Volume

→ **LookupTableIsValid** query and set of type bool

→ **LookupTableValid** query of type action

→ **MaxLateralSourceStepSize** query and set of type float

→ **MaxLookupTableDose** query and set of type

→ **MaxVerticalSourceStepSize** query and set of type float

→ **MinimumRadiusForInvSquare** query and set of type float

→ **MostRecentVersion** query and set of type bool

→ **Name** query and set of type ObjString

→ **NameAndVersion** query of type action

→ **NumberOfInnerPolygons** query and set of type int

→ **NumberOfLateralBins** query and set of type

→ **NumberOfOuterPolygons** query and set of type int

→ **NumberOfPolynomialCoefficients** query and set of type

→ **NumberOfVerticalBins** query and set of type

→ **ObjectVersion** subobject of type ObjectVersion

→ **OverallDiameter** query and set of type float

→ **OverallDiameterInCM** set of type action

→ **OverallDiameterInMM** set of type action

→ **PercentDone** query of type action set of type int

→ **PhysicalDimensionsUnits** query and set of type action

→ **PhysicalLength** query and set of type float

→ **PhysicalLengthInCM** query and set of type action

→ **PhysicalLengthInMM** set of type action

→ **PhysicsLayout** query and set of type EnumeratedList with labels

→ **PhysicsLayoutIndex** set of type action

→ **PhysicsLayoutList** query of type action

→ **PhysicsLayoutLongList** query of type action

→ **PolynomialCoeffA** query and set of type float

→ **PolynomialCoeffB** query and set of type float

→ **PolynomialCoeffC** query and set of type float

→ **PolynomialCoeffD** query and set of type float

→ **PolynomialCoeffE** query and set of type float

→ **PolynomialCoeffF** query and set of type float

→ **PolynomialDistanceUnits** query and set of type

→ **PolynomialMaximumValidDistance** query and set of type float

- → **RadialDoseFunction** subobject of type Volume
- → **RadialDoseFunctionPlotStyle** query and set of type action
- → **ReadWriteIsotope** query and set of type bool
- → **RecomputeLookupTable** set of type action
- → **RelyOnList** list of type SeedGroup
- → **RequireLinearAbsorptionCoefficients** query of type action
- → **RoentgenToRadFactor** query and set of type float
- → **RoentgenToRadUnits** query and set of type EnumeratedList with labels
- → **SourceLinearAbsorptionCoefficient** query and set of type float
- → **SourceType** query and set of type EnumeratedList with labels
- → **SourceTypeList** query and set of type StringList
- → **SphereTriangleLevel** query and set of type int
- → **TemporaryDataCopy** subobject of type Volume
- → **TissueRoentgenToRadFactor** query and set of type float
- → **TissueRoentgenToRadUnits** query and set of type EnumeratedList with labels
- → **UnitsAreCM** query of type action
- → **UnitsAreMM** query of type action
- → **UseAnisotropyFactor** query and set of type bool
- → **UseDoseRateConstant** query and set of type bool
- → **VersionColor** query of type action
- → **VersionDescription** query and set of type ObjString
- → **VersionTimestamp** query of type ObjString set of type action
- → **VerticalSourceStepSize** query and set of type float
- → **VerticalStepSizeDivisor** query and set of type float
- → **VerticalVoxelSize** query and set of type
- → **WallLinearAbsorptionCoefficient** query and set of type float
- → **WallThickness** query and set of type float
- → **WallThicknessInCM** set of type action
- → **WallThicknessInMM** set of type action
- → **XAnisotropyBinSize** query and set of type action
- → **XAnisotropyOrigin** query and set of type action
- → **XGeometryBinSize** query and set of type action
- → **XGeometryOrigin** query and set of type action
- → **XLookupBinSize** query and set of type action
- → **XNAnisotropyBins** query and set of type action
- → **XNGeometryBins** query and set of type action
- → **XNLookupBins** query and set of type action
- → **YAnisotropyBinSize** query and set of type action
- → **YAnisotropyOrigin** query and set of type action
- → **YGeometryBinSize** query and set of type action
- → **YGeometryOrigin** query and set of type action
- → **YLookupBinSize** query and set of type action

$\rightarrow$ **YNAnisotropyBins** query and set of type action

$\rightarrow$ **YNGeometryBins** query and set of type action

$\rightarrow$ **YNLookupBins** query and set of type action

$\rightarrow$ **YNRadialBins** query and set of type action

$\rightarrow$ **YRadialBinSize** query and set of type action

$\rightarrow$ **YRadialOrigin** query and set of type action

Laser

$\rightarrow$ **HorizontalOffset** query and set of type float

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **RelyOnList** query and set of type

$\rightarrow$ **VerticalOffset** query and set of type float

LaserLocalizer

- → **AbsAvail** query and set of type bool
- → **AbsLoc** set of type action
- → **AbsShifts** subobject of type Poi
- → **AcceptPatientMarking** set of type action
- → **AddBRScanner** set of type action
- → **AddDependency** set of type action
- → **AddLaser** set of type action
- → **AddMXScanner** set of type action
- → **AddPQScanner** set of type action
- → **AddUZScanner** set of type action
- → **BodyBoardAngle** set of type action
- → **CenterFromAbs** set of type action
- → **CouchUnits** query and set of type ObjString
- → **DisplayAlways** query and set of type bool
- → **DisplayCenter** query and set of type EnumeratedList with labels
- → **DisplayCenterOptions** query and set of type StringList
- → **EnteringName** query and set of type bool
- → **ExportFileName** query and set of type ObjString
- → **ExportFormat** query and set of type EnumeratedList with labels
- → **FinishPosition** set of type action
- → **GammexExportEnabled** query and set of type bool
- → **GetTransformFromLocalizer** set of type action
- → **GetTransformToLocalizer** set of type action
- → **HorizontalOffset** query of type action
- → **IsBR** query of type action
- → **IsMarked** query and set of type bool
- → **IsNotMX** query of type action
- → **IsPQ** query of type action
- → **IsValidForLocalizing** query of type action
- → **LapExportEnabled** query and set of type bool
- → **LaserCalTableName** query and set of type ObjString
- → **LaserCalTableNameIsNONE** query and set of type bool
- → **LaserCenter** subobject of type Poi
- → **LaserList** list of type Laser
- → **LaserToWorld** subobject of type Transform
- → **LockBeam** query and set of type bool
- → **LockCouch** query and set of type bool
- → **LockJaw** query of type bool set of type action
- → **Locked** query and set of type bool
- → **MarkPatient** set of type action
- → **MarkerNameIsOK** query of type action

- → **MenuOptionsList** query and set of type StringList
- → **MenuSelection** query and set of type EnumeratedList with labels
- → **MyPatient** set of type action
- → **Name** query and set of type ObjString
- → **NameOfPersonMarking** query of type ObjString set of type action
- → **NeedReconOffsetWarning** query of type action
- → **NewBodyBoardAngle** query of type float set of type action
- → **OkForAbs** query of type action
- → **OkForRelCoord** query of type action
- → **PinnLaserCoord** set of type action
- → **PositionHasBeenModified** query and set of type bool
- → **PrintAbs** set of type action
- → **RelPosition** subobject of type Poi
- → **RelativeCoord** set of type action
- → **RemoveDependency** set of type action
- → **SetLasersToPOI** set of type action
- → **SetReferencePoint** set of type action
- → **StartPosition** set of type action
- → **StoreLaser** set of type action
- → **TrackPosition** set of type action
- → **TransformFromLocalizer** set of type action
- → **TransformToLocalizer** set of type action
- → **TransformVectorFromLocalizer** set of type action
- → **TransformVectorToLocalizer** set of type action
- → **Units** query and set of type ObjString
- → **UseBodyBoardAngle** query of type bool set of type action
- → **WorldToLaser** subobject of type Transform
- → **XCoordLabel** query and set of type ObjString
- → **XPlaneIsCurrent** query and set of type bool
- → **YCoordLabel** query and set of type ObjString
- → **YPlaneIsCurrent** query and set of type bool
- → **ZCoordLabel** query and set of type ObjString
- → **ZPlaneIsCurrent** query and set of type bool

LookupTable

    → **CopyToArray** set of type action

    → **MaximumBinValue** query of type action

    → **MaximumValue** query of type float

    → **MinimumBinValue** query of type action

    → **MinimumValue** query of type float

    → **NumberOfBins** query of type int

    → **Table** subobject of type CurveNd

MACTControl

$\rightarrow$ **MACTList** list of type MassAttnCoefTable

MLCCine

$\rightarrow$ **CreateImages** set of type action

$\rightarrow$ **CurrentImageIndex** query of type int set of type action

$\rightarrow$ **CurrentImageIndexPlusOne** query and set of type action

$\rightarrow$ **DestroyImages** set of type action

$\rightarrow$ **FramesPerSecond** query and set of type float

$\rightarrow$ **NextImage** set of type action

$\rightarrow$ **PainterObject** set of type action

$\rightarrow$ **Play** set of type action

$\rightarrow$ **PreviousImage** set of type action

$\rightarrow$ **Stop** set of type action

MLCExport

→ **CreateMLCExportFile** set of type action

→ **ExportAllMLCData** query and set of type bool

→ **ExportDirectory** query and set of type ObjString

→ **ExportFormat** query and set of type EnumeratedList with labels

→ **ExportPhilipsMLCData** set of type action

→ **ExportToshibaMLCData** set of type action

→ **ExportVarianMLCData** set of type action

→ **MLCExportFile** query and set of type

→ **PatientID** query and set of type ObjString

→ **PhilipsAccessory** query and set of type bool

→ **PhilipsFitmentCode** query and set of type int

→ **PhilipsMLCAppendBeamName** query and set of type bool

→ **PhilipsMLCAppendPatientID** query and set of type bool

→ **PhilipsMLCAppendPatientName** query and set of type bool

→ **PhilipsMLCEnabled** query and set of type bool

→ **PhilipsMLCName** query and set of type ObjString

→ **ToshibaAccessory** query and set of type

→ **ToshibaAccessoryCode** query and set of type

→ **ToshibaConformation** query and set of type

→ **ToshibaDoseRate** query and set of type EnumeratedList with labels

→ **ToshibaMLCConformalEnabled** query and set of type bool

→ **ToshibaMLCEnabled** query and set of type bool

→ **ToshibaUpdateBeamNumbers** set of type action

→ **ValidatePatientId** set of type action

→ **VarianMLCEnabled** query and set of type bool

→ **VarianPromptIEC** query and set of type bool

→ **VarianTolerance** query and set of type float

→ **VarianVersion** query and set of type EnumeratedList with labels

MLCLeafPair

$\rightarrow$ **CheckOpposingAdjacentLeafOverlap** set of type action

$\rightarrow$ **LeafCoordinateScalar** query of type action

$\rightarrow$ **MaxTipPosition** query and set of type float

$\rightarrow$ **MinInterLeafDistance** query and set of type action

$\rightarrow$ **MinTipPosition** query and set of type float

$\rightarrow$ **NegateLeafCoordinate** query and set of type bool

$\rightarrow$ **NegativeEdgePosition** query of type action

$\rightarrow$ **PositiveEdgePosition** query of type action

$\rightarrow$ **SiblingList** query and set of type

$\rightarrow$ **SiblingListObject** query and set of type pointer

$\rightarrow$ **SideLeakageWidth** query and set of type float

$\rightarrow$ **TipLeakageWidth** query and set of type float

$\rightarrow$ **UpdateAndEnforceLimits** set of type action

$\rightarrow$ **Width** query and set of type action

$\rightarrow$ **XDescription** query of type action

$\rightarrow$ **YCenterPosition** query and set of type float

$\rightarrow$ **YDescription** query of type action

Machine

→ **AddProfilesFromImportList** set of type action

→ **AllMeasuredDataIn** query of type action

→ **BeginMessageBatch** set of type action

→ **BlocksAllowed** query and set of type bool

→ **BottomJawName** query and set of type ObjString

→ **CPMonitorUnitDecimalPlaces** query of type int set of type action

→ **CheckProfiles** query of type action

→ **CircularCollimatorList** list of type CircularCollimator

→ **ClipBeamMUToMax** query and set of type int

→ **CollimatorAngle** subobject of type MachineAngle

→ **ColorPixel** query of type action

→ **CommissionVersion** query and set of type ObjString

→ **CommissionedBy** query and set of type ObjString

→ **CommissionedForElectrons** query and set of type bool

→ **CommissionedForMCElectrons** query and set of type bool

→ **CommissionedForPhotons** query and set of type bool

→ **CommissionedForStereo** query and set of type bool

→ **ConfigRV** subobject of type ConfigRV

→ **ConfirmElectronOutputFactors** query of type action

→ **ConfirmMCElectronOutputFactors** query of type action

→ **ConfirmMeasurementGeometries** query of type action

→ **ConfirmPhotonMeasurementGeometries** query of type action

→ **ConfirmPhotonOutputFactors** query of type action

→ **CouchAngle** subobject of type MachineAngle

→ **CreatingLeafPairsMessage** query of type action

→ **DefaultBlockJawOverlap** query and set of type float

→ **DefaultDoseRate** set of type action

→ **DefaultMinLeafJawOverlap** set of type action

→ **DefaultMinMUPerSeg** query and set of type float

→ **DefaultSegJawIsStatic** query and set of type

→ **DefaultToleranceTableName** query and set of type ObjString

→ **DisplayBlockAndTrayFactorWarning** query and set of type bool

→ **DisplayJawConformanceWarning** query and set of type bool

→ **DisplayTrayFactorWarning** query and set of type bool

→ **DoseRateConstant** query and set of type bool

→ **DoseRateContinuouslyVariable** query and set of type bool

→ **ElectronApplicatorList** list of type ElectronApplicator

→ **ElectronEnergyList** list of type MachineEnergy

→ **EndMessageBatch** set of type action

→ **EnergyListList** list of list of type MachineEnergy

→ **FixImportedProfilesForFixedJawMachine** set of type action

→ **FixedLeftRightJawPosition** query of type float set of type action

→ **FixedTopBottomJawPosition** query of type float set of type action

→ **GantryAccelerationLimit** query and set of type float

→ **GantryAngle** subobject of type MachineAngle

→ **GenerateIllegalMLCPositionsWarning** set of type action

→ **GenerateIllegalMLCPositionsWarningForMeasGeos** set of type action

→ **GenerateIllegalMLCPositionsWarningForOFs** set of type action

→ **HasFixedJaw** query of type bool set of type action

→ **HasMLC** query of type bool set of type action

→ **HasUniversalWedge** query of type action

→ **ImportModality** query and set of type EnumeratedList with labels

→ **ImportedProfileList** subobject of type ImpProfileList

→ **Institution** query and set of type ObjString

→ **IsParticleMachine** query and set of type bool

→ **IsSimulator** query and set of type bool

→ **IsValidMachineName** query of type action

→ **LeftJawName** query and set of type ObjString

→ **LeftRightCanBeIndependent** query of type bool set of type action

→ **LeftRightDecimalPlaces** query and set of type int

→ **LeftRightJawMaterial** query of type ObjString set of type action

→ **LeftRightJawThickness** query and set of type float

→ **LeftRightJawsNotEnabledWarning** query of type action

→ **LeftRightMassDensity** query of type float set of type action

→ **LeftRightMaximumPosition** query of type float set of type action

→ **LeftRightMinimumPosition** query of type float set of type action

→ **LeftRightName** query and set of type ObjString

→ **LimitGantryAcceleration** query and set of type bool

→ **LoginName** query and set of type ObjString

→ **MachineDisplay** subobject of type MachineDisplay

→ **MachineId** query and set of type int

→ **MachineType** query and set of type ObjString

→ **MaxJawSpeed** query and set of type float

→ **MaximumSourceToJawDistance** query of type action

→ **ModalityList** query of type action

→ **MonitorUnitDecimalPlaces** query of type int set of type action

→ **MonitorUnitMaximum** query and set of type float

→ **MonitorUnitPerDegreeMaximum** query and set of type float

→ **MostRecentVersion** query and set of type bool

→ **MultiLeaf** subobject of type MultiLeaf

→ **Name** query and set of type ObjString

→ **NameAndVersion** query of type action

→ **NominalBottomJawPosition** query of type float set of type action

$\rightarrow$ **NominalLeftJawPosition** query of type float set of type action

$\rightarrow$ **NominalRightJawPosition** query of type float set of type action

$\rightarrow$ **NominalTopJawPosition** query of type float set of type action

$\rightarrow$ **NonUniversalWedgeList** query of type action

$\rightarrow$ **NotForDoseComputation** query and set of type bool

$\rightarrow$ **OKToChangeWedgeLimits** query of type action

$\rightarrow$ **OKToChangeWedgeName** query of type action

$\rightarrow$ **OKToDeleteWedge** query of type action

$\rightarrow$ **ObjectVersion** subobject of type ObjectVersion

$\rightarrow$ **ParticleMachine** subobject of type ProtonMachine

$\rightarrow$ **PhotonEnergyList** list of type MachineEnergy

$\rightarrow$ **PrefixName** set of type action

$\rightarrow$ **PrimaryCollimationAngle** query and set of type float

$\rightarrow$ **ReadWriteMachine** query and set of type bool

$\rightarrow$ **ResponseToBlockAndTrayFactorWarning** query and set of type bool

$\rightarrow$ **ResponseToJawConformanceWarning** query and set of type bool

$\rightarrow$ **ResponseToTrayFactorWarning** query and set of type bool

$\rightarrow$ **RightJawName** query and set of type ObjString

$\rightarrow$ **SAD** query and set of type float

$\rightarrow$ **SelectedMachineHasNoMLC** query of type action

$\rightarrow$ **SourceToBlockTrayDistance** query and set of type float

$\rightarrow$ **SourceToFirstScatteringFoilDistance** query and set of type float

$\rightarrow$ **SourceToFixedJawDistance** query of type float set of type action

$\rightarrow$ **SourceToFlatteningFilterDistance** query and set of type float

$\rightarrow$ **SourceToLastScatteringFoilDistance** query and set of type float

$\rightarrow$ **SourceToLeftRightJawDistance** query and set of type float

$\rightarrow$ **SourceToTopBottomJawDistance** query and set of type float

$\rightarrow$ **StereoEnergyList** list of type MachineEnergy

$\rightarrow$ **ToleranceTableList** list of type TolTable

$\rightarrow$ **ToleranceTableListNumbersAreUnique** query of type action

$\rightarrow$ **TopBottomCanBeIndependent** query of type bool set of type action

$\rightarrow$ **TopBottomDecimalPlaces** query and set of type int

$\rightarrow$ **TopBottomJawMaterial** query of type ObjString set of type action

$\rightarrow$ **TopBottomJawThickness** query and set of type float

$\rightarrow$ **TopBottomJawsNotEnabledWarning** query of type action

$\rightarrow$ **TopBottomMassDensity** query of type float set of type action

$\rightarrow$ **TopBottomMaximumPosition** query of type float set of type action

$\rightarrow$ **TopBottomMinimumPosition** query of type float set of type action

$\rightarrow$ **TopBottomName** query and set of type ObjString

$\rightarrow$ **TopJawName** query and set of type ObjString

$\rightarrow$ **Units** query of type action

$\rightarrow$ **UniversalWedgeList** query of type action

$\rightarrow$ **UpdateDefaultToleranceTable** set of type action

$\rightarrow$ **VersionDescription** query and set of type ObjString

$\rightarrow$ **VersionTimestamp** query of type ObjString set of type action

$\rightarrow$ **WarnAboutComputedProfiles** query and set of type bool

$\rightarrow$ **WedgeList** list of type Wedge

MachineAngle

→ **AngularRateConstant** query and set of type bool

→ **BeginMessageBatch** query and set of type bool

→ **CArmColor** query of type action

→ **CArmDecimalPlaces** query and set of type int

→ **CArmMaxAngle** query and set of type float

→ **CanBeArc** query and set of type bool

→ **ClockwiseIncreases** query and set of type bool

→ **ColumnFormat** query of type action

→ **ColumnHeader** query of type action

→ **ConformalArc** query and set of type bool

→ **DecimalPlaces** query and set of type int

→ **DecimalRoundUp** query of type action

→ **DeleteRow** set of type action

→ **DiscreteAngleTable** subobject of type CurveNd

→ **DiscreteGantryAnglesList** query of type action

→ **DrawIcon** query and set of type action

→ **DrawIconNominal** query and set of type action

→ **DynamicArc** query and set of type bool

→ **EndMessageBatch** query and set of type bool

→ **HasCArm** query of type bool set of type action

→ **InsertRowAfter** set of type action

→ **InsertRowBefore** set of type action

→ **IsGantryContinuous** query and set of type bool

→ **LastValue** query and set of type

→ **MaxGantryRotationSpeed** query and set of type float

→ **MaxGantryRotationSpeedMU** query and set of type float

→ **MaximumAngle** query and set of type float

→ **MinGantryRotationSpeedMU** query and set of type float

→ **MinimumAngle** query and set of type float

→ **ModificationDependency** query of type action

→ **Name** query and set of type ObjString

→ **NineOClockAngle** query of type action

→ **NominalAngle** query and set of type float

→ **NumColumns** query and set of type

→ **NumRows** query and set of type

→ **NumberOfPoints** query and set of type

→ **PitchAngle** query and set of type float

→ **RangeBisectAngle** query of type action

→ **RollAngle** query and set of type float

→ **RotationDirection** query and set of type EnumeratedList with labels

→ **RoundDecimal** set of type action

$\rightarrow$ **SetAngles** set of type action

$\rightarrow$ **SixOClockAngle** query of type action

$\rightarrow$ **StartColor** query of type action

$\rightarrow$ **StopColor** query of type action

$\rightarrow$ **ThreeOClockAngle** query of type action

$\rightarrow$ **TwelveOClockAngle** query and set of type float

$\rightarrow$ **TwelveOClockColor** query of type action

$\rightarrow$ **Value** set of type action

MachineBroker

$\rightarrow$ **BeamObject** subobject of type Beam

$\rightarrow$ **Preserve** set of type action

$\rightarrow$ **Restore** set of type action

MachineDB

→ **AddMachineDescriptionList** query of type action

→ **AddMachineList** list of type Machine

→ **AddMachineListIsDeletedList** query of type action

→ **AddMachineListIsReadOnlyList** query of type action

→ **AddMachineListIsReadOnlyOldMachineList** query of type action

→ **AddParticleMachineDescriptionList** query of type action

→ **AddParticleMachineList** query and set of type

→ **BuildVersionMachineList** set of type action

→ **CommissionFailureDescription** query and set of type ObjString

→ **CommissionMachine** set of type action

→ **CommissionProtonMachine** set of type action

→ **CopyCurrentAddMachine** set of type action

→ **CopyCurrentAddParticleMachine** set of type action

→ **CopyLocatedMachine** set of type action

→ **CreateDefaultMachine** set of type action

→ **CreateDefaultParticleMachine** set of type action

→ **CurrentAddMachineList** query and set of type action

→ **DeleteAllVersionsROM** set of type action

→ **DeleteAllVersionsROMPermanently** set of type action

→ **DeleteReadOnlyMachine** set of type action

→ **DeleteReadOnlyMachinePermanently** set of type action

→ **DeleteUnusedPhaseSpaceFiles** set of type action

→ **InstallDeletedList** set of type action

→ **InstallROMachineList** set of type action

→ **InstallRWMachineList** set of type action

→ **InstallStandardList** set of type action

→ **InstallVersionList** set of type action

→ **IsParticle** query and set of type bool

→ **IsSimulator** query and set of type bool

→ **LoadPhysicsMachinesForPlanning** set of type action

→ **LocatedMachineIsValid** query and set of type bool

→ **LocatedMachinePath** query and set of type ObjString

→ **MachineLocator** subobject of type FileList

→ **NameAndVersion** query and set of type ObjString

→ **ParticleMachineList** list of type Machine

→ **ROSimulatorMachineList** list of type Machine

→ **RWSimulatorMachineList** list of type Machine

→ **ReadMachineNameAndVersion** set of type action

→ **ReadOnlyDeletedMachineList** list of type Machine

→ **ReadOnlyMachineList** list of type Machine

→ **ReadOnlyOldMachineList** list of type Machine

$\rightarrow$ **ReadWriteDeletedMachineList** list of type Machine

$\rightarrow$ **ReadWriteMachineList** list of type Machine

$\rightarrow$ **SaveCurrentMachine** set of type action

$\rightarrow$ **SaveCurrentProtonMachine** set of type action

$\rightarrow$ **SaveMachineData** query and set of type bool

$\rightarrow$ **SaveMachines** set of type action

$\rightarrow$ **StandardMachineList** list of type Machine

$\rightarrow$ **UndeleteReadOnlyMachine** set of type action

$\rightarrow$ **UniqueMachineList** list of type Machine

$\rightarrow$ **UniqueSimulatorMachineList** list of type Machine

$\rightarrow$ **UpdateMachineList** set of type action

$\rightarrow$ **VersionMachineList** list of type Machine

MachineDisplay

$\rightarrow$ **AcceleratorDepth** query and set of type float

$\rightarrow$ **FloorHeight** query and set of type float

$\rightarrow$ **FloorWidth** query and set of type float

$\rightarrow$ **GantryDepth** query and set of type float

$\rightarrow$ **GantryHeight** query and set of type float

$\rightarrow$ **GantryToFloorDistance** query and set of type float

$\rightarrow$ **GantryTopDepth** query and set of type float

$\rightarrow$ **GantryTopHeight** query and set of type float

$\rightarrow$ **GantryWidth** query and set of type float

$\rightarrow$ **IsoToFloorDistance** query and set of type float

$\rightarrow$ **IsoToGantryDistance** query and set of type float

$\rightarrow$ **TableBaseHeadToIsoDistance** query and set of type float

$\rightarrow$ **TableBaseLength** query and set of type float

$\rightarrow$ **TableBaseWidth** query and set of type float

$\rightarrow$ **TableTopDistBelowIso** query and set of type float

$\rightarrow$ **TableTopHeadToIsoDistance** query and set of type float

$\rightarrow$ **TableTopLength** query and set of type float

$\rightarrow$ **TableTopThickness** query and set of type float

$\rightarrow$ **TableTopWidth** query and set of type float

MachineEnergy

$\rightarrow$ **AvailableDoseRateList** list of type DoseRate

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **CheckDoseRateTableValidity** set of type action

$\rightarrow$ **CopyAllMeasureGeometries** set of type action

$\rightarrow$ **CopyMeasureGeometry** set of type action

$\rightarrow$ **DefaultBlockAndTrayFactor** query and set of type float

$\rightarrow$ **DefaultCutoutMaterialTransmissionFactor** query and set of type float

$\rightarrow$ **DefaultDoseRate** query of type float set of type action

$\rightarrow$ **DefaultMLCFactor** query and set of type float

$\rightarrow$ **DefaultTrayFactor** query and set of type float

$\rightarrow$ **DisplayWarning** query and set of type bool

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **GenerateDefaultDoseRateTable** set of type action

$\rightarrow$ **Id** query and set of type int

$\rightarrow$ **InitialDoseRateForTable** query and set of type float

$\rightarrow$ **MCPhysicsData** subobject of type MCPhysicsData

$\rightarrow$ **MachineObject** query of type pointer set of type action

$\rightarrow$ **MaxDoseRate** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **PhysicsData** subobject of type PhysicsData

$\rightarrow$ **RelyOnList** query and set of type

$\rightarrow$ **ScanPatternLabel** query and set of type ObjString

$\rightarrow$ **SetDefaultElectronCutoutTransmission** set of type action

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **VariableDoseRateTable** subobject of type AnnotatedCurve

MachineHeadModel

→ **ArbitraryProfileInRange** query of type action

→ **ArbitraryProfileLowerLimit** query and set of type float

→ **ArbitraryProfileUpperLimit** query and set of type float

→ **BeamSpotSizeX** query and set of type float

→ **BeamSpotSizeY** query and set of type float

→ **BeginMessageBatch** query and set of type bool

→ **EndMessageBatch** query and set of type bool

→ **FilterArbitraryProfile** query and set of type bool

→ **FilterProfilePlotStyle** subobject of type PlotStyle

→ **GaussianHeight** query and set of type float

→ **GaussianWidth** query and set of type float

→ **GenerateDefaultArbitraryProfile** set of type action

→ **IncFluConeAngle** query and set of type float

→ **IncFluConeRadius** query of type float set of type action

→ **IncFluModel** query and set of type EnumeratedList with labels

→ **JawTransmission** query of type float set of type action

→ **LeftRightJawTransmission** query and set of type float

→ **MLCTransInRange** query of type action

→ **MLCTransmission** query of type float set of type action

→ **MLCTransmissionIfValid** query of type action set of type float

→ **ModificationDependency** query of type action

→ **ModifierScatterFactor** query and set of type float

→ **MultiJawTransHasMeaning** query of type action

→ **NumArbitraryProfilePoints** query and set of type int

→ **NumFilterPoints** query and set of type int

→ **SingleJawTransHasMeaning** query of type action

→ **TopBotJawTransmission** query and set of type float

→ **UseSingleJawTransmission** query and set of type bool

→ **UserDefinedFilterProfile** subobject of type AnnotatedCurve

MassAttnCoefTable

$\rightarrow$ **CurveEnergyMACT** subobject of type CurveNd

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NominalDensity** query and set of type float

Material

$\rightarrow$ **AddElement** set of type action

$\rightarrow$ **DefaultDensity** query and set of type float

$\rightarrow$ **ElementList** subobject of type AnnotatedCurve

$\rightarrow$ **ElementName** query of type action

$\rightarrow$ **InsertElement** set of type action

$\rightarrow$ **IsRequired** query and set of type bool

$\rightarrow$ **MeanExcitationEnergyInEv** query and set of type float

$\rightarrow$ **Name** query of type ObjString set of type action

$\rightarrow$ **ProportionsByMass** query and set of type bool

$\rightarrow$ **X** query and set of type action

$\rightarrow$ **Y** query of type action

MeasureGeometry

- → **ApplyToAllProfiles** query and set of type bool
- → **AutoCenter** set of type action
- → **AutoModelDescription** query of type action
- → **BeginMessageBatch** set of type action
- → **BlockDoseComputation** query and set of type bool
- → **BottomJawOF** set of type action
- → **BottomJawPosition** query of type float set of type action
- → **BottomMLCPosition** query of type float set of type action
- → **ChangeWedge** set of type action
- → **CheckAndCorrectMLCLeafPositions** set of type action
- → **CheckMLCLeafPositions** set of type action
- → **CheckSymmetric** set of type action
- → **CircularCollimatorName** query of type ObjString set of type action
- → **ClosedMLCLeafOffset** query of type float set of type action
- → **CollimatorOutputFactor** query of type action
- → **CompareList** list of type CompareProfile
- → **ConeSize** query of type action
- → **CutoutApertureIsRectangular** query and set of type bool
- → **CutoutApertureXHalfWidth** query and set of type float
- → **CutoutApertureYHalfWidth** query and set of type float
- → **DeleteProfile** set of type action
- → **Description** query of type action
- → **DownSampleFilter** set of type action
- → **ElectronApplicatorName** query of type ObjString set of type action
- → **ElectronDescription** query of type action
- → **EndMessageBatch** set of type action
- → **EquivalentSquare** query of type action
- → **FieldHeight** query of type action
- → **FieldSize** query of type action
- → **FieldSizeAndWedge** query of type action
- → **FieldWidth** query of type action
- → **GaussFilter** set of type action
- → **GeometryChangeDependency** query of type action
- → **GradientFilter** set of type action
- → **InstallOFDepthIntoProfile** set of type action
- → **InvalidateInExclusiveRange** set of type action
- → **InvalidateWedgedProfiles** set of type action
- → **JawsAreValid** query of type action set of type float
- → **LeftJawOF** set of type action
- → **LeftJawPosition** query of type float set of type action
- → **LeftMLCPosition** query of type float set of type action

→ **LeftRightJawDecimalPlaces** query and set of type action

→ **LeftRightJawsIndependent** query of type action set of type float

→ **MCElectronDescription** query of type action

→ **MCElectronFieldSize** query of type action

→ **MLCBottomOF** set of type action

→ **MLCFieldSize** query of type action

→ **MLCIncludedInProfile** set of type action

→ **MLCLeftOF** set of type action

→ **MLCRightOF** set of type action

→ **MLCTopOF** set of type action

→ **MLCsViolateMachineLimits** query and set of type bool

→ **MachineAddress** query of type action

→ **MachineEnergyName** query of type action

→ **MachineObject** query of type pointer set of type action

→ **MakeCompareListValid** set of type action

→ **MaxDepth** query of type action

→ **MaxMLCLeftRightTipPosition** query of type action

→ **MaxMLCTopBottomPosition** query of type action

→ **MeanFilter** set of type action

→ **MeasuredDataModified** set of type action

→ **MeasuredOutputFactor** query and set of type float

→ **MeasurementSSD** query and set of type float

→ **MessageBatch** query and set of type bool

→ **MinMLCLeftRightTipPosition** query of type action

→ **MinMLCTopBottomPosition** query of type action

→ **MirrorAndAverage** set of type action

→ **Name** query and set of type ObjString

→ **OffsetX** set of type action

→ **OffsetY** set of type action

→ **OpposingJawMinimum** query and set of type float

→ **OutputFactorDepth** query and set of type float

→ **OutputFactorObject** query and set of type pointer

→ **PhantomOutputFactor** query and set of type float

→ **PhysicsDataObject** query and set of type pointer

→ **PhysicsMode** query and set of type bool

→ **PlotStyle** query and set of type action

→ **ProfileList** list of type DoseProfile

→ **RightJawOF** set of type action

→ **RightJawPosition** query of type float set of type action

→ **RightMLCPosition** query of type float set of type action

→ **ScaleX** set of type action

→ **ScaleY** set of type action

→ **SelectProfiles** set of type action

→ **SetBottomMLCPosition** set of type action

→ **SetLeftMLCPosition** set of type action

→ **SetRightMLCPosition** set of type action

→ **SetTopMLCPosition** set of type action

→ **SincFilter** set of type action

→ **StereoDescription** query of type action

→ **ToggleWedgeOrientation** query and set of type

→ **TopBottomJawDecimalPlaces** query and set of type action

→ **TopBottomJawsIndependent** query of type action set of type float

→ **TopJawOF** set of type action

→ **TopJawPosition** query of type float set of type action

→ **TopMLCPosition** query of type float set of type action

→ **UnselectProfiles** set of type action

→ **UseElectronCutout** query and set of type bool

→ **UserDefinedMLCInProfile** query of type bool set of type action

→ **WedgeAngle** query and set of type

→ **WedgeChange** set of type action

→ **WedgeContext** subobject of type WedgeContext

→ **WedgeIsInstalled** query of type action

→ **WedgeName** query and set of type

→ **WedgeObject** query and set of type

→ **WedgeOrientation** query and set of type

ModelOptimizer

→ **CancelOptimization** query and set of type bool

→ **CancellationOccurred** query and set of type bool

→ **FitPenalty** query and set of type float

→ **FitPenaltyWeight** query and set of type float

→ **GoodnessOfFit** query of type action

→ **HighDoseGradientThreshold** query and set of type

→ **IterationCount** query and set of type int

→ **LoadStateList** set of type action

→ **MaxIterationsPerRestart** query and set of type int

→ **MaxRestarts** query and set of type int

→ **MeasurementGeometryList** query and set of type ObjString

→ **ModelObject** query and set of type pointer

→ **NDimensions** query and set of type int

→ **OptimizationFileList** subobject of type FileList

→ **OptimizationInProgress** query and set of type bool

→ **OptimizeAll** set of type action

→ **OptimizeCurrentState** query and set of type bool

→ **OptimizeStateList** set of type action

→ **OptimizerType** query and set of type EnumeratedList with labels

→ **OverallScaleScalar** query and set of type float

→ **ParameterPenalty** query and set of type float

→ **ParameterStatusList** query of type action

→ **PhysicsDataObject** subobject of type PhysicsData

→ **SaveMachineOnStateTransition** query and set of type bool

→ **ScriptFileName** query of type ObjString set of type action

→ **ScriptFilePath** query and set of type ObjString

→ **SendProfileSelectsToAllGeometries** query and set of type bool

→ **StateList** list of type ModelingState

→ **StepRescaler** query and set of type float

→ **SuppressProfileWarning** query and set of type bool

→ **Tolerance** query and set of type float

ModelingState

- → **IF** query and set of type
- → **MachineList** query and set of type
- → **MaxIterations** query and set of type int
- → **MaxRestarts** query and set of type int
- → **Name** query and set of type ObjString
- → **OptStateDescription** query and set of type ObjString
- → **Script** query and set of type ObjString
- → **StateOptimizerType** query and set of type EnumeratedList with labels
- → **StepRescalar** query and set of type float
- → **Tolerance** query and set of type float
- → **ToleranceFactor** query and set of type float
- → **UncertaintyGoal** query and set of type float
- → **WorthSavingMachine** query and set of type bool

MultiLeaf

→ **AlignedWithLeftRightJaw** query of type bool set of type action

→ **AllowMUWhenReplacesJaw** query and set of type

→ **BeginMessageBatch** set of type action

→ **CheckOpposingAdjacentLeafOverlap** set of type action

→ **ContainerObject** subobject of type Machine

→ **CreateLeafPairsFromTemplate** set of type action

→ **DecimalPlaces** query and set of type int

→ **DefaultLeafPositionTolerance** query and set of type float

→ **DefaultMaxLeafSpeed** query and set of type float

→ **DefaultMaxLeafSpeedMU** query and set of type float

→ **DefaultMinLeafJawOverlap** query of type float set of type action

→ **EndMessageBatch** set of type action

→ **EnforceLeafRules** set of type action

→ **GenerateDefaultCalibrationTable** set of type action

→ **GeometryChangeDependency** query of type action

→ **HalfMinLeafWidth** query of type action

→ **HalfThickness** query of type action

→ **HasCarriage** query and set of type bool

→ **InterLeafLeakageTrans** query and set of type float

→ **InterLeafLeakageWidth** query and set of type float

→ **JawsConformance** query and set of type action

→ **JawsConformanceList** query and set of type StringList

→ **LeafPairList** list of type MLCLeafPair

→ **LeafSpeedOverJawSpeed** query of type action

→ **LeafTemplate** subobject of type MLCLeafPair

→ **LeafXBasePosition** query and set of type float

→ **LeftBankName** query and set of type ObjString

→ **MLCTracksJawForOpenFields** query and set of type EnumeratedList with labels

→ **MLCTracksJawForOpenFieldsList** query and set of type StringList

→ **MatchMachineVendor** set of type action

→ **MaxAdjacentLeafDifference** query and set of type

→ **MaxLeafJawOverlap** query of type float set of type action

→ **MaxLeftRightTipPosition** query of type action

→ **MaxOverallLeafDifference** query and set of type float

→ **MaxTipPositionFromJaw** query and set of type float

→ **MaxTopBottomPosition** query of type action

→ **MessageBatchMode** query of type bool

→ **MinDynamicLeafGap** query of type float set of type action

→ **MinLeafJawOverlap** query of type float set of type action

→ **MinLeafWidth** query of type action

→ **MinLeftRightTipPosition** query of type action

- → **MinPerpendicularLeafJawOverlap** query of type float set of type action
- → **MinStaticLeafGap** query of type float set of type action
- → **MinTopBottomPosition** query of type action
- → **NegateLeafCoordinates** query and set of type bool
- → **NumberOfLeafPairsToCreate** query and set of type int
- → **OpenExtraLeafPairs** query and set of type bool
- → **OpposingAdjacentLeavesCanOverlap** query and set of type bool
- → **ReplacesJaw** query and set of type bool
- → **RightBankName** query and set of type ObjString
- → **RoundedLeafCalibrationTablePlotStyle** subobject of type PlotStyle
- → **RoundedLeafEndCalibrationTable** subobject of type AnnotatedCurve
- → **RoundedLeafMLC** query and set of type bool
- → **SourceToMLCDistance** query and set of type float
- → **SwapLeafOrderOnExport** query of type bool
- → **SwapLeafPairsOnExport** query of type bool
- → **SwapOrderOnExport** query of type bool
- → **SwapPairsOnExport** query of type bool
- → **SwapVarianXOutput** query of type bool
- → **SwapVarianYOutput** query of type bool
- → **SymmetricLeafPairs** query of type action
- → **Thickness** query of type float set of type action
- → **TipLeakageRadius** query and set of type float
- → **TongueAndGrooveLeakageWidth** query and set of type float
- → **UpperTongueAndGrooveLimit** query of type action
- → **UseRoundedLeafEndCalTable** query and set of type
- → **ValidImage** query of type action
- → **ValidLeafPositions** query of type action
- → **ValidLeafText** query of type action
- → **VarianVersionF** query of type bool
- → **Vendor** query and set of type ObjString

NLString

→ **CopyFrom** set of type action

→ **CopyTo** set of type action

→ **English** query and set of type ObjString

→ **Local** query and set of type ObjString

→ **Severity** query and set of type EnumeratedList with labels

NTCP

- → **Complication** query and set of type ObjString

- → **Gamma50** query and set of type action

- → **IsNTCP** query and set of type bool

- → **IsValid** query of type action

- → **ModificationDependency** query and set of type int

- → **Name** query and set of type ObjString

- → **ReferenceVolume** query and set of type float

- → **Slope** query and set of type float

- → **ToleranceDose50** query and set of type float

- → **ToleranceDoseUnits** query and set of type

- → **UseReferenceVolume** query and set of type bool

- → **VolumeFactor** query and set of type float

NetReviewControl

$\rightarrow$ **BinPath** set of type action

$\rightarrow$ **FileNameRoot** set of type action

$\rightarrow$ **GenerateReview** set of type action

$\rightarrow$ **ImageList** list of type NetReviewImage

$\rightarrow$ **LoadImageList** set of type action

$\rightarrow$ **SaveImageList** set of type action

$\rightarrow$ **ViewReview** set of type action

NetReviewImage

- → **BinPath** query and set of type ObjString
- → **Capture** set of type action
- → **CaptureWithClick** query and set of type bool
- → **Description** query and set of type ObjString
- → **FileName** query and set of type ObjString
- → **FileNameRoot** query and set of type ObjString

NumonicsDigitizer

→ **AcknowledgementReceived** query of type action

→ **Beep** set of type action

→ **Close** set of type action

→ **DeviceId** query and set of type int

→ **HeightInCm** query and set of type float

→ **IsOpen** query and set of type bool

→ **LoadButtonEvent** set of type action

→ **Name** query and set of type ObjString

→ **NormalizationFactor** query and set of type float

→ **OpenOnDevice** set of type action

→ **RequestAcknowledgement** set of type action

→ **WidthInCm** query and set of type float

ODM

→ **ApplyMinimumValue** set of type action

→ **BeamModified** query and set of type bool

→ **BottomJawPosition** query and set of type float

→ **ComputeDoseFromEffectiveODM** query and set of type bool

→ **ComputingEffectiveODM** query and set of type bool

→ **ConversionEfficiency** query and set of type

→ **EffectiveODMIsValid** query and set of type bool

→ **EndMessageBatch** set of type action

→ **ExportAscii** query and set of type bool

→ **ExportEffectiveODM** query and set of type bool

→ **ExportName** query and set of type ObjString

→ **FillWithConstant** set of type action

→ **FuzzyMaximum** query of type action

→ **GeneratedAutomatically** query of type bool set of type action

→ **IncludeConvolutionTerm** query and set of type bool

→ **Invalidate** set of type action

→ **InvalidateByForce** set of type action

→ **IsValid** query of type bool set of type action

→ **LeftJawPosition** query and set of type float

→ **LoadFluenceFilterInfo** set of type action

→ **MUForODM** query and set of type float

→ **ModifiedSinceOptimization** query of type action

→ **ModuleTestMode** query and set of type bool

→ **Name** query and set of type ObjString

→ **ODMData** query and set of type action

→ **ODMDifference** subobject of type Volume

→ **ODMVolume** subobject of type Volume

→ **OFForODM** query and set of type float

→ **RightJawPosition** query and set of type float

→ **SourceToODMDistance** query and set of type float

→ **TopJawPosition** query and set of type float

→ **TransCorrection** query and set of type EnumeratedList with labels

→ **Use40cmFieldForScatterConvolution** query and set of type

ObjectList

→ ∗ query and set of type action

→ **Add** set of type action

→ **AddByStringList** set of type action

→ **AddChildren** set of type action

→ **CaseSensitiveNames** query and set of type bool

→ **ChildClassName** query and set of type action

→ **ChildClassNameAlias** query and set of type ObjString

→ **ChildNameFormat** query of type ObjString

→ **Children** query and set of type action

→ **ChildrenEachCurrent** set of type action

→ **ChildrenReverseOrder** set of type action

→ **Class** query and set of type action

→ **ContainerObject** query and set of type pointer

→ **ContainsObject** query of type action

→ **Copy** set of type action

→ **Count** query of type action

→ **CreateChild** set of type action

→ **CreateChildIfEmpty** set of type action

→ **CreateChildMakeCurrent** set of type action

→ **CreateChildren** set of type action

→ **Current** query and set of type action

→ **CurrentByAttribute** set of type action

→ **CurrentIndex** query and set of type action

→ **CurrentIndexPlusOne** query of type action

→ **CurrentObjectPointer** query of type action

→ **DestroyAllChildren** set of type action

→ **First** query and set of type action

→ **GrabNextObject** query of type action

→ **HasElements** query of type action

→ **HasMatchingObjects** query of type action

→ **HasMultipleElements** query of type action

→ **HasNoElements** query of type action

→ **Last** query and set of type action

→ **LastObjectPointer** query of type action

→ **MakeNextCurrent** set of type action

→ **MakePreviousCurrent** set of type action

→ **ModificationDependency** query and set of type

→ **Name** query and set of type ObjString

→ **NextChildName** query of type action

→ **NextCurrent** set of type action

→ **NumColumns** query and set of type action

- → **NumRows** query and set of type action
- → **NumberOfPoints** query and set of type action
- → **PersistenceList** query and set of type action
- → **Remove** set of type action
- → **RemoveAllObjects** set of type action
- → **RemoveByStringList** set of type action
- → **RemoveDuplicateObjects** set of type action
- → **RenumberChildren** set of type action
- → **SortBy** set of type action
- → **Value** query and set of type action
- → **X** query and set of type action
- → **Y** query and set of type action

ObjectVersion

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **CreateTimeStamp** query and set of type ObjString

$\rightarrow$ **CreateVersion** query and set of type ObjString

$\rightarrow$ **IsCreateVersionUnknown** query of type action

$\rightarrow$ **IsWriteVersionUnknown** query of type action

$\rightarrow$ **LastModifiedTimeStamp** query and set of type ObjString

$\rightarrow$ **LoginName** query and set of type ObjString

$\rightarrow$ **SetVersionsToUnknown** set of type action

$\rightarrow$ **TimeStamp** query and set of type ObjString

$\rightarrow$ **UpdateAndReturnWriteVersion** query of type action

$\rightarrow$ **WasIFiledIn** query and set of type bool

$\rightarrow$ **WriteTimeStamp** query and set of type ObjString

$\rightarrow$ **WriteVersion** query and set of type ObjString

Objective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** query and set of type

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **Value** query and set of type float

ObjectiveManager

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Current** subobject of type OrbitObjectives

$\rightarrow$ **CurrentName** query and set of type string

$\rightarrow$ **CurrentNameIs** query of type bool

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **InterfaceCount** query of type int

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **OrbitBioObjectives** subobject of type OrbitBioObjectives

$\rightarrow$ **OrbitObjectives** subobject of type OrbitObjectives

$\rightarrow$ **TypeNames** query of type StringList

OptimizationManager

- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Current** subobject of type PinnOptimizer
- → **CurrentIterationNumber** query and set of type int
- → **CurrentName** query and set of type string
- → **CurrentNameIs** query of type bool
- → **CurrentType** query and set of type string
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **InstanceName** query of type string
- → **InterfaceCount** query of type int
- → **IsFiling** query of type bool
- → **MaxNumberOfIter** query and set of type int
- → **Optimizing** query of type bool
- → **PinnOptimizer** subobject of type PinnOptimizer
- → **PythonOwnOptimizer** subobject of type PythonOwnOptimizer
- → **StartOptimization** set of type action
- → **StopOptimization** set of type action
- → **TypeList** query of type StringList

OptimizerTrial

$\rightarrow$ **BeamExtensionList** query and set of type

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **CurrentIteration** query and set of type int

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **HasBeamExtensionList** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **MaxIterations** query and set of type int

$\rightarrow$ **OptimalityTolerance** query and set of type float

OrbitBioConstraints

   → **Add** set of type action

   → **BeginMessageBatch** set of type action

   → **Cancel** set of type action

   → **ClassName** query of type string

   → **CompositeNTCP** query and set of type float

   → **CompositePPlus** query and set of type float

   → **CompositeTCP** query and set of type float

   → **ConstrainNTCP** query and set of type bool

   → **ConstrainPPlus** query and set of type bool

   → **ConstrainTCP** query and set of type bool

   → **DeleteCurrentConstraint** set of type action

   → **Destroy** set of type action

   → **EndMessageBatch** set of type action

   → **Existence** query of type bool

   → **ExportResponseData** set of type string

   → **InstanceName** query of type string

   → **IsFiling** query of type bool

   → **IsNewer** query of type bool

   → **ModelNameList** query of type StringList

   → **NTCPBound** query and set of type float

   → **NTCPCompositeFunction** subobject of type OrbitPlotDataFunction

   → **PPlusBound** query and set of type float

   → **PPlusCompositeFunction** subobject of type OrbitPlotDataFunction

   → **PluginName** query of type string

   → **ResponseCurveList** query and set of type

   → **ResponsePlotStyle** subobject of type PlotStyle

   → **Revision** query of type string

   → **Run** set of type action

   → **SetConstraintType** set of type string

   → **TCPBound** query and set of type float

   → **TCPCompositeFunction** subobject of type OrbitPlotDataFunction

   → **TrialConstraintList** list of type TrialConstraint

   → **TypeCount** query of type int

   → **TypeNames** query of type StringList

   → **UnitTestMode** query and set of type bool

OrbitBioDB

$\rightarrow$ **AddOrgan** set of type action

$\rightarrow$ **AddTumorSite** set of type action

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **DeleteOrgan** set of type action

$\rightarrow$ **DeleteTumorSite** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **FileList** subobject of type FileList

$\rightarrow$ **Initialize** set of type action

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **Load** set of type action

$\rightarrow$ **MergeFactoryFile** set of type action

$\rightarrow$ **OrganList** list of type SiteResponseData

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **RevertOrganEndpoint** set of type action

$\rightarrow$ **RevertTumorStage** set of type action

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **Save** set of type action

$\rightarrow$ **TumorSiteList** list of type SiteResponseData

$\rightarrow$ **UnitTestMode** query and set of type bool

OrbitBioObjectives

$\rightarrow$ **Add** set of type action

$\rightarrow$ **AddFirst** set of type action

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **CompositeNTCP** query and set of type float

$\rightarrow$ **CompositePPlus** query and set of type float

$\rightarrow$ **CompositeTCP** query and set of type float

$\rightarrow$ **DeleteCurrentObjective** set of type action

$\rightarrow$ **DeleteFirstCurrent** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **ExportResponseData** set of type string

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **ModelNameList** query of type StringList

$\rightarrow$ **NTCPCompositeFunction** subobject of type OrbitPlotDataFunction

$\rightarrow$ **OptimizationParameter** query of type int set of type string

$\rightarrow$ **OptimizeNTCP** query of type bool

$\rightarrow$ **OptimizePPlus** query of type bool

$\rightarrow$ **OptimizeTCP** query of type bool

$\rightarrow$ **PPlusCompositeFunction** subobject of type OrbitPlotDataFunction

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **ResponseCurveList** list of type OrbitPlotDataFunction

$\rightarrow$ **ResponsePlotStyle** subobject of type PlotStyle

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **SetFirstObjectiveType** set of type string

$\rightarrow$ **SetObjectiveType** set of type string

$\rightarrow$ **TCPCompositeFunction** subobject of type OrbitPlotDataFunction

$\rightarrow$ **TrialObjectiveList** list of type TrialObjective

$\rightarrow$ **TypeCount** query of type int

$\rightarrow$ **TypeNames** query of type StringList

$\rightarrow$ **UnitTestMode** query and set of type bool

OrbitConstraints

$\rightarrow$ **Add** set of type action

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **DeleteCurrentConstraint** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **SetConstraintType** set of type string

$\rightarrow$ **TrialConstraintList** list of type TrialConstraint

$\rightarrow$ **TypeCount** query of type int

$\rightarrow$ **TypeNames** query of type StringList

$\rightarrow$ **UnitTestMode** query and set of type bool

OrbitDVHConstraint

- → **Active** query and set of type bool
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Destroy** set of type action
- → **Dose** query and set of type float
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Function** subobject of type OrbitDoseFunction
- → **Gradient** query and set of type pointer
- → **InstanceName** query of type string
- → **IsComposite** query of type bool
- → **IsConstrained** query of type bool
- → **IsFiling** query of type bool
- → **IsTargetObjective** query of type bool
- → **LowerBound** query and set of type float
- → **OptimizationDirection** query of type int
- → **Percent** query and set of type float
- → **PropertyList** subobject of type PropertyList
- → **ROI** subobject of type RegionOfInterest
- → **ROIName** query and set of type string
- → **Type** query of type string
- → **TypeList** query of type StringList
- → **UniqueIndex** query and set of type int
- → **UpperBound** query and set of type float
- → **UserPercent** query and set of type float
- → **Value** query and set of type float
- → **Violated** query and set of type bool

OrbitDVHObjective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **DoseUnit** query and set of type int

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitDoseFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **Percent** query and set of type float

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **UserPercent** query and set of type float

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Weight** query and set of type float

OrbitDoseConstraint

$\rightarrow$ **Active** query and set of type bool

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitDoseFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **LowerBound** query and set of type float

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **UpperBound** query and set of type float

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Violated** query and set of type bool

OrbitDoseFunction

- $\rightarrow$ **BeginMessageBatch** set of type action
- $\rightarrow$ **ClassName** query of type string
- $\rightarrow$ **Destroy** set of type action
- $\rightarrow$ **DoseUnit** query and set of type int
- $\rightarrow$ **EndMessageBatch** set of type action
- $\rightarrow$ **Existence** query of type bool
- $\rightarrow$ **Gradient** query and set of type pointer
- $\rightarrow$ **InstanceName** query of type string
- $\rightarrow$ **IsFiling** query of type bool
- $\rightarrow$ **PropertyList** subobject of type PropertyList
- $\rightarrow$ **ROIName** query and set of type string
- $\rightarrow$ **Value** query and set of type float
- $\rightarrow$ **ValueDescr** query of type string
- $\rightarrow$ **ValueValid** query and set of type bool

OrbitDoseObjective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **DoseUnit** query and set of type int

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitDoseFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Weight** query and set of type float

OrbitEUDConstraint

$\rightarrow$ **Active** query and set of type bool

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **EUD** query and set of type float

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitEUDFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **LowerBound** query and set of type float

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **UpperBound** query and set of type float

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Violated** query and set of type bool

$\rightarrow$ **a** query and set of type float

OrbitEUDFunction

- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Destroy** set of type action
- → **DoseUnit** query and set of type int
- → **EUDDescr** query of type string
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Gradient** query and set of type pointer
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **PropertyList** subobject of type PropertyList
- → **ROIName** query and set of type string
- → **Value** query and set of type float
- → **ValueDescr** query of type string
- → **ValueValid** query and set of type bool

OrbitEUDObjective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **DoseUnit** query and set of type int

$\rightarrow$ **EUD** query and set of type float

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitEUDFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Weight** query and set of type float

$\rightarrow$ **a** query and set of type float

OrbitObjectives

- → **Add** set of type action
- → **BeginMessageBatch** set of type action
- → **Cancel** set of type action
- → **ClassName** query of type string
- → **DeleteCurrentObjective** set of type action
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **IsNewer** query of type bool
- → **PluginName** query of type string
- → **Revision** query of type string
- → **Run** set of type action
- → **SetObjectiveType** set of type string
- → **TrialObjectiveList** list of type TrialObjective
- → **TypeCount** query of type int
- → **TypeNames** query of type StringList
- → **UnitTestMode** query and set of type bool

OrbitPlotDataFunction

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **LineStyle** subobject of type LineStyle

$\rightarrow$ **LineStyleObject** subobject of type LineStyle

$\rightarrow$ **ModificationDependency** subobject of type OrbitPlotDataFunction

$\rightarrow$ **NumberOfPoints** query of type int

$\rightarrow$ **PropertyList** query and set of type

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **ValueDescr** query of type string

$\rightarrow$ **ValueValid** query and set of type bool

$\rightarrow$ **X** query of type float

$\rightarrow$ **Y** query of type float

OrbitResearchConstraint

- → **Active** query and set of type bool
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Function** subobject of type OrbitResearchFunction
- → **Gradient** query and set of type pointer
- → **InstanceName** query of type string
- → **IsComposite** query of type bool
- → **IsConstrained** query of type bool
- → **IsFiling** query of type bool
- → **IsTarget** query and set of type bool
- → **IsTargetObjective** query of type bool
- → **LowerBound** query and set of type float
- → **OptimizationDirection** query of type int
- → **ParameterString** query and set of type string
- → **PropertyList** subobject of type PropertyList
- → **ROI** subobject of type RegionOfInterest
- → **ROIName** query and set of type string
- → **Type** query of type string
- → **TypeList** query of type StringList
- → **UniqueIndex** query and set of type int
- → **UpperBound** query and set of type float
- → **Value** query and set of type float
- → **Violated** query and set of type bool

OrbitResearchFunction

- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Gradient** query and set of type pointer
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **IsTarget** query and set of type bool
- → **ParameterString** query and set of type string
- → **PropertyList** subobject of type PropertyList
- → **ROIName** query and set of type string
- → **Value** query and set of type float
- → **ValueDescr** query of type string
- → **ValueValid** query and set of type bool

OrbitResearchObjective

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **Function** subobject of type OrbitResearchFunction

→ **Gradient** query and set of type pointer

→ **InstanceName** query of type string

→ **IsComposite** query of type bool

→ **IsConstrained** query of type bool

→ **IsFiling** query of type bool

→ **IsTarget** query and set of type bool

→ **IsTargetObjective** query of type bool

→ **OptimizationDirection** query of type int

→ **ParameterString** query and set of type string

→ **PropertyList** subobject of type PropertyList

→ **ROI** subobject of type RegionOfInterest

→ **ROIName** query and set of type string

→ **Type** query of type string

→ **TypeList** query of type StringList

→ **UniqueIndex** query and set of type int

→ **Value** query and set of type float

→ **Weight** query and set of type float

OrbitResponseObjective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **EndPointStage** query and set of type string

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** query and set of type

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **IncludeInComposite** query and set of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNTCP** query of type bool

$\rightarrow$ **IsTCP** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **Model** query and set of type string

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **OrganTumor** query and set of type string

$\rightarrow$ **PropertyList** query and set of type

$\rightarrow$ **ROI** query and set of type

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Selected** query and set of type bool

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **Value** query and set of type float

OrbitResponseObjective

OrbitUniformityConstraint

- → **Active** query and set of type bool
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **Function** subobject of type OrbitUniformityFunction
- → **Gradient** query and set of type pointer
- → **InstanceName** query of type string
- → **IsComposite** query of type bool
- → **IsConstrained** query of type bool
- → **IsFiling** query of type bool
- → **IsTargetObjective** query of type bool
- → **LowerBound** query and set of type float
- → **OptimizationDirection** query of type int
- → **PropertyList** subobject of type PropertyList
- → **ROI** subobject of type RegionOfInterest
- → **ROIName** query and set of type string
- → **Type** query of type string
- → **TypeList** query of type StringList
- → **Uniformity** query and set of type float
- → **UniqueIndex** query and set of type int
- → **UpperBound** query and set of type float
- → **Value** query and set of type float
- → **Violated** query and set of type bool

OrbitUniformityFunction

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **ValueDescr** query of type string

$\rightarrow$ **ValueValid** query and set of type bool

OutputFactor

→ **AreAllOFComputed** query of type action

→ **BeginMessageBatch** set of type action

→ **CalculatedCalibrationDose** query and set of type float

→ **CalculatedCalibrationDoseValid** query and set of type bool

→ **CalibrationGeometry** subobject of type MeasureGeometry

→ **ColumnFormat** query of type action

→ **ColumnHeader** query of type action

→ **ComputationVersion** query and set of type ObjString

→ **ComputeDefaultCalibrationGeometry** set of type action

→ **CreateOFListForPlot** set of type action

→ **CreateOFOptionMenuList** set of type action

→ **CreateOFOptionMenuSubList** set of type action

→ **DosePerMuAtCalibration** query and set of type float

→ **DosePerMuCal** query of type action

→ **DosePerUnitFluenceCal** query of type action

→ **ElectronSSDTolerance** query and set of type float

→ **EndMessageBatch** set of type action

→ **InvalidateOutputFactors** set of type action

→ **IsElectronOutputFactor** query and set of type bool

→ **MeasureGeometryList** list of type MeasureGeometry

→ **MinMLCPositionAtCalibration** query and set of type float

→ **ModificationDependency** query of type action

→ **NumColumns** query of type action

→ **NumRows** query of type action

→ **NumberOfPoints** query of type action

→ **OutputFactorOptionMenuList** list of type SimpleString

→ **OutputFactorOptionMenuSubList** list of type SimpleString

→ **OutputFactorsForPlot** query of type action

→ **PlotStyle** subobject of type PlotStyle

→ **ReferenceDepth** query and set of type float

→ **RowHeader** query of type action

→ **SetCalibGeomBottomMLC** set of type action

→ **SetCalibGeomLeftMLC** set of type action

→ **SetCalibGeomRightMLC** set of type action

→ **SetCalibGeomTopMLC** set of type action

→ **SourceToCalibrationPointDistance** query and set of type float

→ **UseSquareRootMethod** query and set of type bool

→ **Value** query of type action

→ **X** query of type action

→ **Y** query of type action

PE_Composites

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **NTCPColor** query and set of type string

→ **NTCPColorPixel** query of type int

→ **NTCPSelected** query and set of type bool

→ **PPlusColor** query and set of type string

→ **PPlusColorPixel** query of type int

→ **PPlusSelected** query and set of type bool

→ **TCPColor** query and set of type string

→ **TCPColorPixel** query of type int

→ **TCPSelected** query and set of type bool

→ **TouchCompositeResponseValues** set of type string

PE_EUDObjective

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Dose** query and set of type float

$\rightarrow$ **DoseUnit** query and set of type int

$\rightarrow$ **EUD** query and set of type float

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitEUDFunction

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsComposite** query of type bool

$\rightarrow$ **IsConstrained** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsTargetObjective** query of type bool

$\rightarrow$ **OptimizationDirection** query of type int

$\rightarrow$ **PropertyList** subobject of type PropertyList

$\rightarrow$ **ROI** subobject of type RegionOfInterest

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **Trial** query and set of type

$\rightarrow$ **TrialName** query of type string

$\rightarrow$ **Type** query of type string

$\rightarrow$ **TypeList** query of type StringList

$\rightarrow$ **UniqueIndex** query and set of type int

$\rightarrow$ **Value** query and set of type float

$\rightarrow$ **Weight** query and set of type float

$\rightarrow$ **a** query and set of type float

PE_ROI

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **ROI** query and set of type

→ **Selected** query and set of type bool

→ **aValue** query and set of type float

PE_ResponseValue

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Color** query and set of type string

$\rightarrow$ **Description** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **DrawLineType** subobject of type PE_ResponseValue

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** subobject of type OrbitPlotDataFunction

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **LineStyle** subobject of type LineStyle

$\rightarrow$ **Probability** query of type string

$\rightarrow$ **ROI** query and set of type

$\rightarrow$ **ROIName** query and set of type string

$\rightarrow$ **TheName** query and set of type string

$\rightarrow$ **Trial** query and set of type

$\rightarrow$ **TrialName** query of type string

PE_Trial

→ **BeamName** query and set of type string

→ **BeginMessageBatch** set of type action

→ **BioLineType** query and set of type string

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **LineType** query and set of type string

→ **Selected** query and set of type bool

→ **SelectedBio** query and set of type bool

→ **Trial** query and set of type

→ **TrialName** query of type string

PaperSize

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **XSize** query and set of type int

$\rightarrow$ **YSize** query and set of type int

PatientRepresentation

→ **BeamDensityGrid** subobject of type Volume

→ **BeginMessageBatch** set of type action

→ **BottomZPadding** query and set of type float

→ **CtToDensityLookup** subobject of type LookupTable

→ **CtToDensityName** query and set of type action

→ **CtToDensityTable** subobject of type CtToDensityTable

→ **CtToDensityTableAccepted** query and set of type action

→ **CtToDensityTableExtended** query and set of type bool

→ **CtToDensityVersion** query and set of type action

→ **CtToStoppingPowerAccepted** query and set of type action

→ **CtToStoppingPowerExtended** query and set of type bool

→ **CtToStoppingPowerTable** subobject of type CtToStoppingPowerTable

→ **CtToStoppingPowerTableAccepted** set of type action

→ **CtToStoppingPowerTableDeleted** query and set of type bool

→ **CtToStoppingPowerTableName** query and set of type action

→ **CtToStoppingPowerVersion** query and set of type action

→ **DMTable** subobject of type DensityMaterialTable

→ **DMTableName** query and set of type action

→ **DMTableVersion** query and set of type action

→ **DensityBottomZPadding** query and set of type float

→ **DensityGrid** subobject of type Volume

→ **DensityLookupTable** query of type action

→ **DensityOverrideChange** set of type action

→ **DensityTopZPadding** query and set of type float

→ **DensityValid** query and set of type bool

→ **EndMessageBatch** set of type action

→ **HighResDensityGrid** query and set of type

→ **HighResDensityMask** query and set of type

→ **HighResDensityValid** query of type action set of type bool

→ **HighResZSpacingForVariable** query and set of type float

→ **InstallCtToDensityTableForPhysics** set of type action

→ **InstallCtToStoppingPowerTableForPhysics** set of type action

→ **InvalidateBeamDensity** set of type action

→ **MakeOverrideVolumeValid** set of type action

→ **MaterialNames** query and set of type StringList

→ **MaterialOverrideChange** set of type action

→ **MaterialVolume** subobject of type Volume

→ **MaterialVolumeValid** query and set of type bool

→ **OutsidePatientAirThreshold** query of type float set of type action

→ **OutsidePatientCtNumber** query of type action

→ **OutsidePatientDensity** query of type action

$\rightarrow$ **OutsidePatientIsCtNumber** query of type bool set of type action

$\rightarrow$ **OverrideDisplayDependency** query of type action

$\rightarrow$ **OverrideDisplayVolume** query of type action

$\rightarrow$ **OverrideVolumeValid** query and set of type bool

$\rightarrow$ **PatientAirMask** query and set of type

$\rightarrow$ **PatientAirMaskValid** query and set of type bool

$\rightarrow$ **PatientVolume** subobject of type Volume

$\rightarrow$ **PatientVolumeName** query and set of type action

$\rightarrow$ **PatientVolumeNameCheckCoordFrame** query and set of type action

$\rightarrow$ **PatientVolumeObject** subobject of type Volume

$\rightarrow$ **SPMaxBin** query of type action

$\rightarrow$ **TopZPadding** query and set of type float

$\rightarrow$ **TransportGrid** subobject of type Volume

$\rightarrow$ **TransportValid** query and set of type bool

$\rightarrow$ **UseHighResDensityGrid** query and set of type bool

PatientSetup

- → **EndMessageBatch** set of type action
- → **ObjectVersion** subobject of type ObjectVersion
- → **Orientation** query and set of type EnumeratedList with labels
- → **OrientationList** query and set of type StringList
- → **PlanSavedWithProductionVersion** query and set of type bool
- → **Position** query and set of type action
- → **PositionFailSafe** query and set of type EnumeratedList with labels
- → **PositionList** query and set of type StringList
- → **ProductionLevel** query and set of type bool
- → **ShortOrientation** query and set of type EnumeratedList with labels
- → **ShortOrientationList** query and set of type StringList
- → **TableMotion** query and set of type EnumeratedList with labels
- → **TableMotionList** query and set of type StringList

PhaseSpaceFileSource

$\rightarrow$ **ApplyRadialSymmetry** query of type bool set of type action

$\rightarrow$ **ApplyXAxisSymmetry** query of type bool set of type action

$\rightarrow$ **ApplyYAxisSymmetry** query of type bool set of type action

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **EndMessageBatch** query and set of type bool

$\rightarrow$ **FileList** subobject of type FileList

$\rightarrow$ **HasWeight** query of type action

$\rightarrow$ **HistoriesPerRecord** query of type int set of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **ParticlesPerSample** query of type int

$\rightarrow$ **SamplingPlaneRegion** subobject of type BeamlineCrossSection

$\rightarrow$ **SamplingPlaneZPosition** query and set of type float

$\rightarrow$ **SwapBytes** query and set of type bool

$\rightarrow$ **Type** query of type int

$\rightarrow$ **TypeName** query of type string

$\rightarrow$ **UseNrcFormat** query of type bool set of type action

$\rightarrow$ **Weight** query and set of type float

PhotonModel

→ **AddPoint** set of type action

→ **BeamSpectrum** subobject of type BeamSpectrum

→ **BeginMessageBatch** query and set of type bool

→ **ColumnFormat** query and set of type

→ **ColumnHeader** query and set of type

→ **CommonECFieldsInSiblings** query of type action

→ **CopyModelToMinMax** set of type action

→ **CopyToWedge** set of type action

→ **DeleteRow** set of type action

→ **DepthScalar** query of type action

→ **Description** query of type action

→ **DoseCompGridResolution** query and set of type float

→ **DoseCompStatus** subobject of type NLString

→ **ECAddToDose** query and set of type bool

→ **ECContaminationDoseOnly** query and set of type bool

→ **ECDepthCoefficient** query and set of type float

→ **ECDepthFraction** query and set of type float

→ **ECDisplayMode** query and set of type EnumeratedList with labels

→ **ECDisplayPlotStyle** subobject of type PlotStyle

→ **ECFieldSizeC1** query and set of type float

→ **ECFieldSizeC2** query and set of type float

→ **ECFieldSizeC3** query and set of type float

→ **ECMaximumDepth** query and set of type float

→ **ECOffAngleCoefficient** query and set of type float

→ **ECOverallScaleFactor** query and set of type float

→ **ECScaleFraction** query and set of type float

→ **ElectronContamCurve** subobject of type AnnotatedCurve

→ **EndMessageBatch** query and set of type bool

→ **Energy** query and set of type ObjString

→ **EquivalentSquare** query and set of type float

→ **EquivalentSquareMax** set of type action

→ **EquivalentSquareMin** set of type float

→ **InsertRowAfter** set of type action

→ **InsertRowBefore** set of type action

→ **Institution** query and set of type ObjString

→ **IsAllFieldSizes** query and set of type bool

→ **IsInterpolated** query and set of type bool

→ **IsOkForDoseComp** query and set of type bool

→ **IsReadOnly** query and set of type bool

→ **IsSingleModel** query of type action

→ **LengthLinear** query and set of type float

- → **LinearConvolve** query and set of type bool

- → **LongDescription** query of type action

- → **MachineHeadModel** subobject of type MachineHeadModel

- → **MachineType** query and set of type ObjString

- → **MatchingModels** set of type action

- → **ModificationDependency** query and set of type

- → **Name** query and set of type ObjString

- → **NumColumns** query and set of type

- → **NumRows** query and set of type

- → **ObjectVersion** subobject of type ObjectVersion

- → **PhysicsDataObject** query and set of type pointer

- → **QAMassAttenDensity** query and set of type float

- → **QAMassAttenDepthStep** query and set of type float

- → **QAMassAttenOffAxisAngle** query and set of type float

- → **QAMassAttenStepCount** query and set of type int

- → **QAMassAttenTable** subobject of type AnnotatedCurve

- → **QAMassAttenUseLookupTable** query and set of type bool

- → **RemoveFromList** set of type action

- → **SetCurrentByBeamObject** set of type action

- → **SetCurrentByEquivalentSquare** set of type action

- → **SetEquivSquare** set of type action

- → **SiblingList** query and set of type

- → **SiblingListObject** query and set of type pointer

- → **StepLinear** query and set of type float

- → **StepNN** query and set of type float

- → **TPBKernel** subobject of type TPBKernel

- → **Value** set of type action

- → **WarnAboutMatchingModelChange** query and set of type bool

- → **WaterPhantomLateralSize** query and set of type float

- → **WaterPhantomSize** set of type action

- → **WaterPhantomVerticalSize** query and set of type float

- → **WedgeName** query and set of type ObjString

PhotonModelOptimizer

→ **ClearAllIncludeFlags** set of type action

→ **ClearAllLockFlags** set of type action

→ **ComputeMeasGeoKey** query of type action

→ **ComputeMetrics** set of type action

→ **CurrentPhotonModel** query and set of type action

→ **DepthDoseBuildUpRegionError** query of type action

→ **DepthDoseBuildUpRegionWeight** query and set of type float

→ **DepthDoseLowGradientHighDoseError** query of type action

→ **DepthDoseLowGradientHighDoseWeight** query and set of type float

→ **HighGradientError** query of type action

→ **HighGradientWeight** query and set of type float

→ **IncludeBeamSpotSizeX** query and set of type bool

→ **IncludeBeamSpotSizeY** query and set of type bool

→ **IncludeECContaminationDoseOnly** query and set of type bool

→ **IncludeECDepthCoefficient** query and set of type bool

→ **IncludeECDepthFraction** query and set of type bool

→ **IncludeECFieldSizeC1** query and set of type bool

→ **IncludeECFieldSizeC2** query and set of type bool

→ **IncludeECFieldSizeC3** query and set of type bool

→ **IncludeECMaximumDepth** query and set of type bool

→ **IncludeECOffAngleCoefficient** query and set of type bool

→ **IncludeECOverallScaleFactor** query and set of type bool

→ **IncludeECScaleFraction** query and set of type bool

→ **IncludeGaussianHeight** query and set of type bool

→ **IncludeGaussianWidth** query and set of type bool

→ **IncludeIncFluConeAngle** query and set of type bool

→ **IncludeIncFluConeRadius** query and set of type bool

→ **IncludeJawTransmission** query and set of type bool

→ **IncludeLeftRightJawTransmission** query and set of type bool

→ **IncludeMLCTransmission** query and set of type bool

→ **IncludeModifierScatterFactor** query and set of type bool

→ **IncludeParametricSpectrum** query and set of type bool

→ **IncludeSofteningControlParam1** query and set of type bool

→ **IncludeSpectrum** query and set of type bool

→ **IncludeTopBotJawTransmission** query and set of type bool

→ **IncludeUserDefinedFilterProfile** query and set of type bool

→ **IncludeWedgedMeasurementGeometries** query and set of type bool

→ **LockBeamSpotSizeX** query and set of type bool

→ **LockBeamSpotSizeY** query and set of type bool

→ **LockECContaminationDoseOnly** query and set of type bool

→ **LockECDepthCoefficient** query and set of type bool

- → **LockECDepthFraction** query and set of type bool
- → **LockECFieldSizeC1** query and set of type bool
- → **LockECFieldSizeC2** query and set of type bool
- → **LockECFieldSizeC3** query and set of type bool
- → **LockECMaximumDepth** query and set of type bool
- → **LockECOffAngleCoefficient** query and set of type bool
- → **LockECOverallScaleFactor** query and set of type bool
- → **LockECScaleFraction** query and set of type bool
- → **LockGaussianHeight** query and set of type bool
- → **LockGaussianWidth** query and set of type bool
- → **LockIncFluConeAngle** query and set of type bool
- → **LockIncFluConeRadius** query and set of type bool
- → **LockJawTransmission** query and set of type bool
- → **LockLeftRightJawTransmission** query and set of type bool
- → **LockMLCTransmission** query and set of type bool
- → **LockModifierScatterFactor** query and set of type bool
- → **LockParametricSpectrum** query and set of type bool
- → **LockSofteningControlParam1** query and set of type bool
- → **LockSpectrum** query and set of type bool
- → **LockTopBotJawTransmission** query and set of type bool
- → **LockUserDefinedFilterProfile** query and set of type bool
- → **LowGradientHighDoseError** query of type action
- → **LowGradientHighDoseWeight** query and set of type float
- → **LowGradientLowDoseError** query of type action
- → **LowGradientLowDoseWeight** query and set of type float
- → **MapExplicitSpectrum** query of type action
- → **MapParametricSpectrum** query of type action
- → **ModelOptimizerObject** subobject of type ModelOptimizer
- → **OptimizeAll** set of type action
- → **ParameterStatusList** query of type action
- → **ProfileEdgeLimit** query and set of type float
- → **ProfileMetrics** subobject of type ProfileMetrics
- → **RequiresSingleModel** query and set of type bool
- → **SelectMinimalProfileList** set of type action
- → **SelectProfiles** set of type action
- → **SendProfileSelectsToAllGeometries** query and set of type bool
- → **StatMomentsQueryList** query and set of type EnumeratedList with labels
- → **UnselectProfiles** set of type action
- → **UseMeanSquareMetrics** query and set of type bool
- → **ValidateModel** set of type action
- → **ZeroAllWeights** set of type action

PhotonPhysicsControl

- → **AddMachine** set of type action
- → **AddMachineElectronEnergy** set of type action
- → **AddMachinePhotonEnergy** set of type action
- → **AddMachineStereoEnergy** set of type action
- → **ComputeElectron** set of type action
- → **ComputeElectronOutputFactors** set of type action
- → **ComputeMCElectron** set of type action
- → **ComputeMCElectronOutputFactors** set of type action
- → **ComputePhoton** set of type action
- → **ComputePhotonOutputFactors** set of type action
- → **ComputeStereo** set of type action
- → **DeleteMachineEnergy** set of type action
- → **DisplayElectron** query and set of type bool
- → **DisplayMCElectron** query and set of type bool
- → **DisplayPhoton** query and set of type bool
- → **DisplayStereo** query and set of type bool
- → **ElectronProfilesComputed** query of type action
- → **MCElectronProfilesComputed** query of type action
- → **MachineList** query and set of type
- → **OptimizationInProgress** query and set of type bool
- → **OutputFactorStatus** query and set of type ObjString
- → **PhotonProfilesComputed** query of type action
- → **ProfileSmoothingType** query and set of type EnumeratedList with labels
- → **ProfileSymmetryType** query and set of type EnumeratedList with labels
- → **ReadElectronMeasuredData** set of type action
- → **ReadMCElectronMeasuredData** set of type action
- → **ReadPhotonMeasuredData** set of type action
- → **ReadStereoMeasuredData** set of type action
- → **SaveElectronMeasuredData** set of type action
- → **SaveMCElectronMeasuredData** set of type action
- → **SavePhotonMeasuredData** set of type action
- → **SaveStereoMeasuredData** set of type action
- → **SmoothDoseAllDirections** query and set of type bool
- → **SmoothDoseByRegion** query and set of type bool
- → **SmoothProfileSize** query and set of type float
- → **SmoothProfileSizeHighDose** query and set of type float
- → **SmoothProfileSizeHighGrad** query and set of type float
- → **SmoothProfileSizeLowDose** query and set of type float
- → **StandardBeamSpectraList** query and set of type
- → **StereoProfilesComputed** query of type action
- → **Trial** query and set of type

$\rightarrow$ **UncomputedList** list of type SimpleString

$\rightarrow$ **UpdateUncomputedProfiles** set of type action

$\rightarrow$ **UseCrossProfileSymmetry** query and set of type bool

$\rightarrow$ **UseProfileSymmetry** query and set of type bool

$\rightarrow$ **WaveletTransformDepth** query and set of type int

$\rightarrow$ **WaveletTransformType** query and set of type EnumeratedList with labels

PhysicsData

- → **AddModelToLibrary** set of type action
- → **BeamSpectrum** query and set of type action
- → **BeginMessageBatch** query and set of type bool
- → **CheckConeProfiles** query of type action
- → **CheckElectronProfiles** query of type action
- → **CheckPhotonProfiles** query of type action
- → **CheckStereoProfiles** query of type action
- → **ConfirmParameterChange** query of type action
- → **ConvKernel** subobject of type ConvKernel
- → **CopyModelFromLibrary** set of type action
- → **CreatePhotonModelLibrarian** set of type action
- → **DelayInvalidateDoseProfiles** query and set of type bool
- → **DeleteMeasureGeometry** set of type action
- → **DeleteModelFromLibrary** set of type action
- → **DoseCompGridResolution** query and set of type action
- → **ElectronModel** subobject of type ElectronModel
- → **ElectronModelChange** set of type action
- → **EndMessageBatch** query and set of type bool
- → **ExportPhotonModelLibrary** set of type action
- → **GridLinearParameters** subobject of type PhotonModel
- → **ImportPhotonModelLibrary** set of type action
- → **InvalidateDoseProfiles** set of type action
- → **LoadPhotonModelLibrary** set of type action
- → **MACTControl** subobject of type MACTControl
- → **MLCTransOkToCommission** query of type action
- → **MachineHeadModel** query and set of type action
- → **MatchElectronModelToMeasurementGeometry** set of type action
- → **MatchMeasurementGeometryToElectronModel** set of type action
- → **MaximumFieldSize** query of type action
- → **MeasureGeometryList** list of type MeasureGeometry
- → **MeasureGeometryModified** set of type action
- → **MeasuredDataIn** query and set of type bool
- → **ModelOkToCommission** query of type action
- → **NewFilesAreNotInstalled** query of type action
- → **OutputFactor** subobject of type OutputFactor
- → **PhotonModelChange** set of type action
- → **PhotonModelChangeEC** set of type action
- → **PhotonModelLibrarian** list of type MeasureGeometry
- → **PhotonModelLibrary** list of type PhotonModel
- → **PhotonModelList** list of type PhotonModel
- → **PhotonModelOptimizer** subobject of type PhotonModelOptimizer

→ **PhysicsToolDoseEngine** subobject of type DoseEngine

→ **PointLinearParameters** subobject of type PhotonModel

→ **SavePhotonModelLibrary** set of type action

→ **SetPhotonModel** set of type action

→ **SetPhotonModelIfCurrentMeasGeo** set of type action

→ **StereoPhysicsData** subobject of type StereoPhysicsData

→ **TPBKernel** query and set of type action

→ **WarnAboutComputedProfiles** query and set of type bool

PinnPreferences

→ **AntPostDoseGridResolution** query and set of type float

→ **AutoSaveBinary** query and set of type bool

→ **AutoSelectMesh** query and set of type bool

→ **AutoSelectMeshDistance** query and set of type float

→ **ComputeUncomputedBeams** query and set of type bool

→ **CrossHatchOffWithMLC** query and set of type bool

→ **DICOMDefaultDestination** query and set of type ObjString

→ **DICOMTimeOut** query and set of type int

→ **DRRInterpolationTypeList** query and set of type StringList

→ **DefaultAutoSaveIncrement** query and set of type float

→ **DefaultBEVBrightnessFactor** query and set of type float

→ **DefaultBEVCtToDensityTable** query and set of type ObjString

→ **DefaultBEVEnergy** query and set of type float

→ **DefaultBevRotationAngle** query and set of type float

→ **DefaultColorPrinter** query and set of type ObjString

→ **DefaultDCRAutoWLMode** query and set of type bool

→ **DefaultDRRAutoWLMode** query and set of type bool

→ **DefaultDRRInterpolation** query and set of type ObjString

→ **DefaultDoseDecimalPlace** query of type int set of type action

→ **DefaultGridSize** query of type float set of type action

→ **DefaultMachine** query and set of type ObjString

→ **DefaultMidMouseWinLev** query and set of type bool

→ **DefaultPrinter** query and set of type ObjString

→ **DefaultStereoLocalizer** query and set of type ObjString

→ **DisplayHotScriptWindow** query and set of type bool

→ **DisplayOnOtherVolumesDefault** query and set of type bool

→ **EndMessageBatch** set of type action

→ **FilmAnnotation** subobject of type FilmAnnotation

→ **LateralDoseGridResolution** query and set of type float

→ **LinkWindowLevelByModality** query and set of type bool

→ **Loaded** query and set of type bool

→ **MultidataIsGrid** query and set of type bool

→ **ObjectVersion** subobject of type ObjectVersion

→ **PoiDisplayOnOtherVolumesDefault** query and set of type bool

→ **QuickSimPref** subobject of type QuickSimPref

→ **RVRemoteDirectory** query and set of type ObjString

→ **RVRemoteHost** query and set of type ObjString

→ **RVRemoteLogin** query and set of type ObjString

→ **RVRemotePassword** query and set of type ObjString

→ **RoundControlPointMUs** query and set of type bool

→ **SetDefaultsFromPrefs** set of type action

→ **SingleMoveableLaser** query and set of type bool

→ **SupInfDoseGridResolution** query and set of type float

→ **SymmetricJawsForNewBeams** query and set of type bool

→ **TabToNextFieldAfterEntry** query and set of type bool

→ **UpArrowAdvancesSuperior** query and set of type bool

→ **UpdateDRRAutomatically** query and set of type bool

→ **UseAutoSurroundByDefault** query and set of type bool

→ **UseGyForDoseDisplay** query and set of type bool

→ **UseLinear2dInterpolation** query and set of type bool

→ **UseSinglePlanningWindow** query and set of type bool

→ **WarnAboutComputedProfiles** query and set of type bool

→ **WarnAboutUnlockedPlan** query and set of type bool

→ **WarpPointerToWindow** query and set of type bool

→ **WellhoferCrossplaneIsX** query and set of type bool

PinnReport

- → **AddPinnacleFooter** set of type action

- → **AddPinnacleFootersToAllPages** set of type action

- → **AddPinnacleHeader** set of type action

- → **AddPlanFooter** set of type action

- → **AddPlanFootersToAllPages** set of type action

- → **AddPlanHeader** set of type action

- → **PrintWaterMark** query and set of type bool

- → **ProgramName** query and set of type ObjString

- → **Report** subobject of type Report

- → **ReportTag** query and set of type ObjString

Pinnacle

- → **AAPMFilePrefix** query and set of type ObjString
- → **AAPMOutputFileList** subobject of type FileList
- → **AcQSimBeamsPanelLayout** query and set of type EnumeratedList with labels
- → **AcQSimBeamsViewLayout** query and set of type EnumeratedList with labels
- → **AcQSimPrefs** subobject of type PinnPreferences
- → **AcQSimViewLayout** query and set of type EnumeratedList with labels
- → **ActivateMPR** set of type action
- → **AddBolus** set of type action
- → **AddCoronalCutplane** set of type action
- → **AddFilmBBToDisplayList** set of type action
- → **AddSagittalCutplane** set of type action
- → **AddSourcesAtCentroids** query of type bool set of type action
- → **AddTransverseCutplane** set of type action
- → **AddVolumeBBToDisplayList** set of type action
- → **AllBolusConfirmInvalidation** query of type action
- → **AllBolusConfirmInvalidationWhenCouchPosChanges** query of type action
- → **AllTrialConfirmDoseChange** query of type action
- → **AlternateMode** query and set of type bool
- → **AmbientLightComponent** set of type action
- → **Anatomy** query and set of type action
- → **AppLabel** query of type ObjString
- → **AppLongName** query of type ObjString
- → **AppRevision** query of type ObjString
- → **AppShortName** query of type ObjString
- → **AppVersion** query of type ObjString
- → **AppVersionAndRevision** query of type ObjString
- → **AskGeneralButton1** query and set of type ObjString
- → **AskGeneralButton2** query and set of type ObjString
- → **AskGeneralButton3** query and set of type ObjString
- → **AskGeneralDefault** query and set of type int
- → **AskGeneralPrompt** query and set of type ObjString
- → **AskGeneralQuestion** query of type action
- → **AskGeneralTitle** query and set of type ObjString
- → **AskYesNo** query of type action
- → **AskYesNoDefault** query and set of type int
- → **AskYesNoPrompt** query and set of type ObjString
- → **AtlasHostKey** subobject of type LicenseKey
- → **AtlasName** query and set of type ObjString
- → **AtlasPassword** subobject of type Password
- → **AtlasPasswordFileName** query and set of type ObjString
- → **AtlasPreferences** subobject of type AtlasPreferences

- → **AtlasSegmentationManager** subobject of type AtlasSegMgr
- → **AutoFusionLayout** query and set of type EnumeratedList with labels
- → **AutoplaceCurrentPoi** set of type action
- → **AutoplaceLaserCenter** set of type action
- → **BeamLayout** query and set of type EnumeratedList with labels
- → **BeamMacroExecute** set of type action
- → **BeamMacroFileList** subobject of type FileList
- → **BinArchitectureDirectory** query and set of type ObjString
- → **BolusList** list of type Bolus
- → **BrachyDB** subobject of type BrachyDB
- → **BrachyMacroExecute** set of type action
- → **BrachyMacroFileList** subobject of type FileList
- → **BrachyVersionMatches** query of type action
- → **CTScannerList** list of type CTScanner
- → **CTSimLaserAutoplaceSensitivity** query of type action
- → **CalypsoDecubitusOK** query and set of type bool
- → **CalypsoFeetFirstOK** query and set of type bool
- → **CanP3MDRunFusion** query of type action
- → **CancelBeamModifierEditing** set of type action
- → **CancelRoiEditing** set of type action
- → **CancelandExit** set of type action
- → **CauseMemoryFailure** set of type action
- → **ChangeShiftDirectionWidgets** query and set of type action
- → **CheckDecubitusRightOrLeft** set of type action
- → **CheckForFileErrors** set of type action
- → **CheckMatchedMRNumber** set of type action
- → **CheckMatchedPatientName** set of type action
- → **CheckMatchedPatientPosition** set of type action
- → **CheckMatchedPixelValue** set of type action
- → **CheckMatchedScanAcquisition** set of type action
- → **CheckMatchedVisOnly** set of type action
- → **CheckOKToConcat** set of type action
- → **CheckSliceOverlap** set of type action
- → **CheckUserName** query of type action
- → **ClearDiskFullHappened** set of type action
- → **CloseMLCLeavesForElekta** query and set of type bool
- → **ColorList** list of type SimpleString
- → **ColorPrint** subobject of type ColorPrint
- → **ColorPrinterControl** subobject of type PrinterControl
- → **ComputeAllRoiStats** set of type action
- → **ComputedProfileHierarchy** query of type action
- → **ConcatVolumeList** set of type action

→ **ConfirmLockPlan** set of type action

→ **ConfirmOutputPlan** query of type action

→ **ConfirmPoiReposition** query of type action

→ **ConfirmReportPrint** query of type action

→ **ConfirmTrialColorPrint** query of type action

→ **ConfirmTrialPrint** query of type action

→ **ControlPanel** query and set of type action

→ **ControllerDB** query and set of type

→ **CopyAllTrials** query and set of type bool

→ **CopyCurrentRoi** set of type action

→ **CopyCurrentTrial** set of type action

→ **CopyPlan** query and set of type bool

→ **CreateMenuless2dViewingWindowInParent** set of type action

→ **CreateMenulessViewingWindowInParent** set of type action

→ **CreateNewBeam** set of type action

→ **CreateNewPOI** set of type action

→ **CreateNewROI** set of type action

→ **CreateNewROR** set of type action

→ **CreateViewingWindowInParent** set of type action

→ **CreateWindowConfig** subobject of type ViewWindowConfig

→ **CreatingAndPositioningSourcesMessage** query of type action

→ **CtSimBeamLayout** query and set of type EnumeratedList with labels

→ **CtSimLayout** query and set of type EnumeratedList with labels

→ **CtSimSetupLayout** query and set of type EnumeratedList with labels

→ **CtTableListEmptyOrValid** query of type action

→ **CtToDensTableListForDoseCalc** list of type CtToDensityTable

→ **CtToDensityModified** query and set of type bool

→ **CtToDensityTableList** list of type CtToDensityTable

→ **CtToStoppingPowerTableList** list of type CtToStoppingPowerTable

→ **CtToStoppingPowerTableListForDoseCalc** list of type CtToStoppingPowerTable

→ **CurrentVolumeUsedForMBS** query of type int set of type action

→ **CutplaneList** list of type Cutplane

→ **CutplaneMode** query and set of type action

→ **CutplaneModeList** query of type action

→ **DCRPresetsList** list of type DCRPresets

→ **DICOM** subobject of type DICOM

→ **DRRCtToDensityTableName** query and set of type ObjString

→ **DRRWindowLevelList** list of type DRRWindowLevel

→ **DVHGroup** subobject of type DVHGroup

→ **DVHLayout** query and set of type EnumeratedList with labels

→ **DVHList** query and set of type

→ **DVHPlotStyle** query and set of type

- → **DeadObjectList** query and set of type
- → **DecubitusRightOrLeft** query and set of type bool
- → **DefaultReport** subobject of type PinnReport
- → **Deform** subobject of type Deform
- → **DeformROIs** query and set of type bool
- → **DeleteSelectedROIs** set of type action
- → **DeleteVolumeSlice** set of type action
- → **DeletedSliceVolume** subobject of type Volume
- → **DeletedSliceVolumeObject** subobject of type Volume
- → **DeletingSliceMessage** query of type action
- → **DestroyCurrentBolus** set of type action
- → **DestroyCurrentROI** set of type action
- → **DestroyCurrentRoR** set of type action
- → **DestroyInterfaceObjects** set of type action
- → **DigitizerControl** subobject of type DigitizerControl
- → **DirtyQuit** set of type action
- → **DiskHighWaterMark** query and set of type action
- → **DisplayCTImage** query of type bool set of type action
- → **DisplayCurrentFilmBB** query and set of type bool
- → **DisplayCurrentVolumeBB** query and set of type bool
- → **DisplayFusionSixWindowLayout** query and set of type bool
- → **DisplayKey** subobject of type LicenseKey
- → **DisplayList** subobject of type DisplayList
- → **DisplayLocalNTCPList** query and set of type bool
- → **DistanceBetweenPoints** query of type action
- → **DoCurrentFilmBBDisplay** set of type action
- → **DoCurrentVolumeBBDisplay** set of type action
- → **DoseAccum** subobject of type DoseAccum
- → **DoseDisplayFormat** query of type action
- → **DoseDistributionsExist** query of type action
- → **DoseModifiedDuringFiling** query and set of type bool
- → **DoseUnitsToUserScalar** query of type action
- → **DoseValueUnits** query of type action
- → **DrawMLC** query and set of type action
- → **DumpProfiles** query and set of type bool
- → **DumpWindowForReport** set of type action
- → **DyeKom** subobject of type DyeKom
- → **EPIDList** list of type EPID
- → **ElectronVersionMatches** query of type action
- → **EnableFusionDisplay** set of type action
- → **EndRecoverOn** set of type action
- → **EnterAtlasPassword** set of type action

$\rightarrow$ **EnterOMLPassword** set of type action

$\rightarrow$ **EnterPhysicsPassword** set of type action

$\rightarrow$ **ExitWithoutSaving** set of type action

$\rightarrow$ **ExportDICOMRT** set of type action

$\rightarrow$ **ExportFileList** subobject of type FileList

$\rightarrow$ **ExportOption** query and set of type EnumeratedList with labels

$\rightarrow$ **ExportRoi** set of type action

$\rightarrow$ **FdmDvhLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **FdmTrialRoiSelectLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **FieldHelp** subobject of type FieldHelp

$\rightarrow$ **FourDRoi** subobject of type FourDRoi

$\rightarrow$ **FusionDisplayMode3D** query and set of type action

$\rightarrow$ **FusionDisplayModeList3D** query of type action

$\rightarrow$ **FusionMode** query and set of type bool

$\rightarrow$ **FusionVolumeList** list of type Volume

$\rightarrow$ **FusionVolumeNames** query of type action

$\rightarrow$ **Gated** subobject of type Gate

$\rightarrow$ **GatingMode** query of type action

$\rightarrow$ **HasAnyValidBrachySources** query of type action

$\rightarrow$ **HasAnyValidMachinesAndEnergies** query of type action

$\rightarrow$ **Hide4DFeatures** query and set of type bool

$\rightarrow$ **HostKey** subobject of type LicenseKey

$\rightarrow$ **HotScriptList** subobject of type HotScriptList

$\rightarrow$ **IMRTPreferences** subobject of type IMRTPreferences

$\rightarrow$ **ImageConcatModeMakeVolumeCurrent** set of type action

$\rightarrow$ **ImageEditorLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **ImageEditorMode** query and set of type bool

$\rightarrow$ **ImageSetConcatMode** query and set of type bool

$\rightarrow$ **ImportRoi** set of type action

$\rightarrow$ **ImportedProfile** subobject of type ImportedProfile

$\rightarrow$ **ImrtLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **ImrtReviewLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **ImrtTemplateLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **InfoMessage** set of type action

$\rightarrow$ **InitializePlan** set of type action

$\rightarrow$ **InitializeRoiExpand** set of type action

$\rightarrow$ **InitializeVolume** set of type action

$\rightarrow$ **InstitutionDirectory** query and set of type ObjString

$\rightarrow$ **InvalidateStereoLocalizerTrialDoseAndBolusVolume** query of type action

$\rightarrow$ **InvalidateTrialDoseAndBolusVolume** query of type action

$\rightarrow$ **InvalidateTrialDoseAndBolusWhenCouchPosChanges** query of type action

$\rightarrow$ **IrregLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **IrregMode** query and set of type bool

$\rightarrow$ **Is2d** query and set of type bool

$\rightarrow$ **IsAcQLoc** query and set of type bool

$\rightarrow$ **IsAlgorithmTypeSFBR** query and set of type bool

$\rightarrow$ **IsAtlasPasswordMode** query and set of type bool

$\rightarrow$ **IsAtlasSegMode** query and set of type bool

$\rightarrow$ **IsCTSim** query and set of type bool

$\rightarrow$ **IsCopyToPhantom** query of type bool

$\rightarrow$ **IsDICOMExport** query of type action

$\rightarrow$ **IsIntensityDIRTypeBSpline** query and set of type bool

$\rightarrow$ **IsOkForAAPMMLC** query and set of type bool

$\rightarrow$ **IsOkForAAPMMLCVertical** query and set of type bool

$\rightarrow$ **IsOkForAcQsim3** query of type bool

$\rightarrow$ **IsOkForAdaptive** query of type bool

$\rightarrow$ **IsOkForAdaptiveOrMBS** query of type action

$\rightarrow$ **IsOkForAtlas** query of type bool

$\rightarrow$ **IsOkForAutoFusion** query of type bool

$\rightarrow$ **IsOkForBrachy** query of type bool

$\rightarrow$ **IsOkForBrachyTG43** query of type bool

$\rightarrow$ **IsOkForCArm** query of type bool

$\rightarrow$ **IsOkForClinicalUse** query of type action

$\rightarrow$ **IsOkForConformalArc** query of type bool

$\rightarrow$ **IsOkForDICOMPrint** query of type bool

$\rightarrow$ **IsOkForDICOMRT** query of type bool

$\rightarrow$ **IsOkForDynamicArc** query of type bool

$\rightarrow$ **IsOkForDynamicWedge** query of type bool

$\rightarrow$ **IsOkForElectron** query of type bool

$\rightarrow$ **IsOkForFusion** query and set of type bool

$\rightarrow$ **IsOkForIMRT** query of type bool

$\rightarrow$ **IsOkForMBS** query of type bool

$\rightarrow$ **IsOkForMLCSegments** query of type bool

$\rightarrow$ **IsOkForOpenRTPExport** query of type bool

$\rightarrow$ **IsOkForPhoton** query of type bool

$\rightarrow$ **IsOkForPrimeviewRV** query and set of type bool

$\rightarrow$ **IsOkForProton** query of type bool

$\rightarrow$ **IsOkForRoiDigitizing** query of type bool

$\rightarrow$ **IsOkForStereo** query of type bool

$\rightarrow$ **IsOkToPrintPlans** query of type bool

$\rightarrow$ **IsOkToSavePlans** query of type bool

$\rightarrow$ **IsPhysicianReview** query and set of type bool

$\rightarrow$ **IsPhysicsMode** query of type bool

$\rightarrow$ **IsProductionVersion** query of type bool

$\rightarrow$ **IsProstatePrePlan** query and set of type bool

$\rightarrow$ **IsResearchMode** query of type bool set of type action

$\rightarrow$ **IsValidPlan** query of type action

$\rightarrow$ **IsodoseControl** subobject of type IsodoseControl

$\rightarrow$ **IsotopeList** list of type Isotope

$\rightarrow$ **KeyBypassDisabled** query of type bool

$\rightarrow$ **KeyDependencyList** list of type KeyDependency

$\rightarrow$ **LaserLocalizerTrialConfirmDoseChange** query of type action

$\rightarrow$ **LastLoadedRoiList** query and set of type

$\rightarrow$ **LaunchAboutBox** set of type action

$\rightarrow$ **LaunchVerticalSideWindow** set of type action

$\rightarrow$ **LimitRadiusOnAutoplace** query and set of type bool

$\rightarrow$ **LoadAndValidateProgramRevision** set of type action

$\rightarrow$ **LoadAtlasPreferences** set of type action

$\rightarrow$ **LoadBolus** set of type action

$\rightarrow$ **LoadBolusROI** set of type action

$\rightarrow$ **LoadColorFile** set of type action

$\rightarrow$ **LoadCtToDensityTablesForDoseCalc** set of type action

$\rightarrow$ **LoadDCRPresetsPresets** set of type action

$\rightarrow$ **LoadDCRPresetsSystemPresets** set of type action

$\rightarrow$ **LoadDRRWinLevSystemPresets** set of type action

$\rightarrow$ **LoadDRRWindowLevelPresets** set of type action

$\rightarrow$ **LoadDoseVolHist** set of type action

$\rightarrow$ **LoadGridLinearParameters** set of type action

$\rightarrow$ **LoadIMRTPrefs** set of type action

$\rightarrow$ **LoadIsodoses** set of type action

$\rightarrow$ **LoadKeys** set of type action

$\rightarrow$ **LoadLaserLocalizer** set of type action

$\rightarrow$ **LoadPatientSetup** set of type action

$\rightarrow$ **LoadPhysicsDoseEngineParameters** set of type action

$\rightarrow$ **LoadPinnPreferences** set of type action

$\rightarrow$ **LoadPluginData** set of type action

$\rightarrow$ **LoadPointLinearParameters** set of type action

$\rightarrow$ **LoadPointsOfInterest** set of type action

$\rightarrow$ **LoadRegionsOfInterest** set of type action

$\rightarrow$ **LoadRoiManager** set of type action

$\rightarrow$ **LoadStereoLocalizers** set of type action

$\rightarrow$ **LoadSyntegraPrefs** set of type action

$\rightarrow$ **LoadSystemPresetsWithOverwrite** set of type action

$\rightarrow$ **LoadTrials** set of type action

$\rightarrow$ **LoadVolumeDisplayList** set of type action

$\rightarrow$ **LoadWindowLevelPresets** set of type action

- → **LocalNTCPList** list of type NTCP
- → **LockLocalNTCPList** set of type action
- → **LockPlan** set of type action
- → **MACTControl** subobject of type MACTControl
- → **MBSFilteredVolume** query of type action
- → **MBSVolume** query of type action
- → **MBSVolumeZDim** query and set of type int
- → **MBSVolumeZVoxelSize** query and set of type float
- → **MCData** subobject of type MCData
- → **MLCCine** subobject of type MLCCine
- → **MLCTransArrayStartX** query and set of type int
- → **MLCTransArrayStartY** query and set of type int
- → **MLCTransArrayStopX** query and set of type int
- → **MLCTransArrayStopY** query and set of type int
- → **MLCTypeList** list of type SimpleString
- → **MachineDB** subobject of type MachineDB
- → **MachineList** list of type Machine
- → **MachineTypeList** list of type SimpleString
- → **MakeAllVolumesRenderable** set of type action
- → **MakeProstatePrePlanPhantom** query and set of type bool
- → **MakeWaterPhantom** query and set of type bool
- → **ManualFusionLayout** query and set of type EnumeratedList with labels
- → **MarkerPoint** query and set of type
- → **MatchedMRNumber** query and set of type bool
- → **MatchedPatientName** query and set of type bool
- → **MatchedPatientPosition** query and set of type bool
- → **MatchedPixelValue** query and set of type bool
- → **MatchedScanAcquisition** query and set of type bool
- → **MaxThreads** query and set of type action
- → **MultipleGatingVolumes** query of type action
- → **MultipleROIplaceLaserCenter** set of type action
- → **MultipleROIplacePOI** set of type action
- → **NetReviewControl** subobject of type NetReviewControl
- → **NoDisplayJustSaveImage** query and set of type bool
- → **NoWarnAboutClippedVoxels** query and set of type bool
- → **NonModalInfoMessage** set of type action
- → **NonModalWarningMessage** set of type action
- → **OKForSyntegraInPinnacle** query and set of type bool
- → **OKToConcat** query and set of type bool
- → **OMLPassword** subobject of type Password
- → **OMLPasswordFileName** query and set of type ObjString
- → **OMLPasswordMode** set of type action

- → **ObjectBrowser** subobject of type Browser
- → **OnlyRenderCurrentVolume** set of type action
- → **OpenOrthoDRRSWindow** set of type action
- → **OpenRTPFilePrefix** query and set of type ObjString
- → **OpenRTPOutputFileList** query and set of type
- → **OptStateDescription** query and set of type
- → **OutputMLCTransArray** query and set of type bool
- → **PatientDirectory** query of type action
- → **PatientSetup** subobject of type PatientSetup
- → **PerformingAutoReplan** query and set of type bool
- → **PhantomTargetBeam** query and set of type ObjString
- → **PhantomTargetPOI** query and set of type ObjString
- → **PhotonOFVersionMatches** query of type action
- → **PhotonPhysicsControl** subobject of type PhotonPhysicsControl
- → **PhotonVersionMatches** query of type action
- → **PhysicianReviewOKToModifyROI** query of type action
- → **PhysicianReviewOKToMovePOI** query of type action
- → **PhysicianReviewOKToTranslateVolume** query of type action
- → **PhysicsLock** subobject of type SimpleLockFile
- → **PhysicsPassword** subobject of type Password
- → **PhysicsPasswordFileName** query and set of type ObjString
- → **PinnPreferences** query and set of type action
- → **PinnacleFormatSaveVol4D** query and set of type bool
- → **PlanFilesExist** query of type action
- → **PlanInfo** subobject of type PlanInfo
- → **PlanLoadingInProgress** query and set of type bool
- → **PlanName** query of type action
- → **PlanRecordTrialList** list of type Trial
- → **PlanningPrefs** subobject of type PinnPreferences
- → **PlaySystemScript** set of type action
- → **PluginDirectory** query and set of type ObjString
- → **PluginManager** subobject of type PluginManager
- → **PluginManagerIsInitialized** query and set of type bool
- → **PluginModules** list of type Plugin
- → **PoiAutoplaceMode** query and set of type EnumeratedList with labels
- → **PoiDiameterList** list of type Float
- → **PoiLayout** query and set of type EnumeratedList with labels
- → **PoiList** list of type Poi
- → **PreferenceOnlyMode** query and set of type bool
- → **PrescriptionManager** subobject of type PrescriptionManager
- → **PrimaryAndFusionVolumeNameList** query of type action
- → **PrimaryPoiList** list of type Poi

$\rightarrow$ **PrintDoseProfilePlot** set of type action

$\rightarrow$ **PrintDoseProfilePlots** set of type action

$\rightarrow$ **PrintOutputFactorReportFromPhysicsMode** set of type action

$\rightarrow$ **PrintOutputFactorReportFromPlanning** set of type action

$\rightarrow$ **PrintPhotonModelReport** set of type action

$\rightarrow$ **PrintPhysicsProfileReport** set of type action

$\rightarrow$ **PrintProtonModelReport** set of type action

$\rightarrow$ **PrintWindowDumpReport** set of type action

$\rightarrow$ **PrintWindowToFilm** set of type action

$\rightarrow$ **PrinterControl** subobject of type PrinterControl

$\rightarrow$ **ProceedPrintWindow** set of type action

$\rightarrow$ **ProcessGlobalHotKey** set of type action

$\rightarrow$ **ProstatePrePlanDisplayTools** query and set of type bool

$\rightarrow$ **ProstatePrePlanlayout** query and set of type EnumeratedList with labels

$\rightarrow$ **ProtonReport** subobject of type ProtonReportGenerator

$\rightarrow$ **PublicScriptDirectory** query of type ObjString

$\rightarrow$ **PublishedBeamSpectrumList** list of type BeamSpectrum

$\rightarrow$ **QAToolsLayout** query and set of type EnumeratedList with labels

$\rightarrow$ **Quit** set of type action

$\rightarrow$ **QuitWithSave** set of type action

$\rightarrow$ **RVDestination** query and set of type EnumeratedList with labels

$\rightarrow$ **RVExportName** query and set of type ObjString

$\rightarrow$ **RVExportOfSegmentsOk** query and set of type bool

$\rightarrow$ **RVFormat** query and set of type EnumeratedList with labels

$\rightarrow$ **RVRemoteDirectory** query and set of type ObjString

$\rightarrow$ **RVRemoteHost** query and set of type ObjString

$\rightarrow$ **RVRemoteLogin** query and set of type ObjString

$\rightarrow$ **RVRemotePassword** query and set of type ObjString

$\rightarrow$ **RVSaveFTPDefaults** set of type action

$\rightarrow$ **ReadOnly** query and set of type bool

$\rightarrow$ **RecommendReadOnly** query and set of type bool

$\rightarrow$ **RecomputeRoiStatsIfDensity** set of type action

$\rightarrow$ **RecoverOn** query and set of type bool

$\rightarrow$ **RecoveryMode** query and set of type bool

$\rightarrow$ **RecreatePrimaryPoiList** set of type action

$\rightarrow$ **Remove2DCurrentBeam** set of type action

$\rightarrow$ **RemoveBevAndRevCurrentBeam** set of type action

$\rightarrow$ **RemoveBevCurrentBeam** set of type action

$\rightarrow$ **RemoveBrachySourceAndCath** set of type action

$\rightarrow$ **RemoveCtToDensityTableForDoseCalc** set of type action

$\rightarrow$ **RemoveDoseDistributions** set of type action

$\rightarrow$ **RemoveRevCurrentBeam** set of type action

→ **ReportComment** query and set of type ObjString

→ **ReportCurrentPhotonModel** query and set of type bool

→ **ReportRevision** subobject of type ReportRevision

→ **ResetCtSimSetupDisplay** set of type action

→ **ResetDefaultMCPoiPosition** set of type action

→ **ResetDefaultPoiPosition** set of type action

→ **ResetImagesForVolumeChange** set of type action

→ **RestoreVolumeSlice** set of type action

→ **RoRLayout** query and set of type EnumeratedList with labels

→ **RoRList** list of type Record

→ **RoiExpandControl** subobject of type RoiExpandControl

→ **RoiExportFile** query and set of type ObjString

→ **RoiGroupListTree** query of type action

→ **RoiImportFileList** subobject of type FileList

→ **RoiLayout** query and set of type EnumeratedList with labels

→ **RoiList** list of type RegionOfInterest

→ **RoiManager** subobject of type RoiManager

→ **RoiMultipleControl** subobject of type RoiExpandControl

→ **RoiReliantList** list of type RegionOfInterest

→ **RoiSequence** subobject of type RoiSequence

→ **RoiTemplateLib** subobject of type RoiTemplateLib

→ **Root** subobject of type Root

→ **RotateAboutY** set of type action

→ **SaveAllVolumesAndExit** set of type action

→ **SaveAllVolumesEdited** query and set of type bool

→ **SaveAtlasPreferences** set of type action

→ **SaveAutoFilesOnAbnormalExit** query and set of type bool

→ **SaveCurrentVolumeAndExit** set of type action

→ **SaveDCRPresetsPresets** set of type action

→ **SaveDRRWindowLevelPresets** set of type action

→ **SaveDefaultIsodoseLines** set of type action

→ **SaveIMRTPrefs** set of type action

→ **SaveLocalNTCPList** set of type action

→ **SavePinnPreferences** set of type action

→ **SavePlan** set of type action

→ **SavePlanInfo** set of type action

→ **SavePoiDiameterList** set of type action

→ **SaveReportRevision** set of type action

→ **SaveSaboteur** subobject of type SaveSaboteur

→ **SaveScannerDataWhenExitingPhysics** query and set of type bool

→ **SaveSyntegraPrefs** set of type action

→ **SaveSyntheticHeader** set of type action

→ **SaveWindowLevelPresets** set of type action

→ **SelectCurrentFromList** query of type bool set of type action

→ **SetFusionWindows** set of type action

→ **SetMark5UpdateViewWindows** set of type action

→ **SetPhantomPOIAndBeam** set of type action

→ **SetPhysicsModeAtStartup** query of type bool set of type action

→ **SetResearchMode** set of type action

→ **SetUpFileErrorDependency** set of type action

→ **SetUpInterfaceObjects** set of type action

→ **SetUpPhysicsControl** set of type action

→ **SetVersionToTest** set of type action

→ **SetVolumeBeingEdited** set of type action

→ **SetWindowsToVolume** set of type action

→ **Setup2DCurrentBeam** set of type action

→ **SetupBevAndRevCurrentBeam** set of type action

→ **SetupBevCurrentBeam** set of type action

→ **SetupRevCurrentBeam** set of type action

→ **SetupViewWindowConfig** set of type action

→ **ShowREVwithBEV** query and set of type bool

→ **ShowScatterArray** query and set of type bool

→ **ShowToolTips** query and set of type bool

→ **SimulateMPR** set of type action

→ **SiteDirectory** query and set of type ObjString

→ **StartAcQSim** set of type action

→ **StartAtlasSeg** set of type action

→ **StartCTSim** set of type action

→ **StartCTSimReadOnly** set of type action

→ **StartDoseAccumulation** set of type action

→ **StartFusionMode** set of type action

→ **StartIMRT** set of type action

→ **StartOnLineManual** set of type action

→ **StartPhysicsMode** set of type action

→ **StartPinnacle2d** set of type action

→ **StartRecordViewer** set of type action

→ **StartWithDICOM** query and set of type bool

→ **StaticDirectory** query and set of type ObjString

→ **StereoFrameList** list of type StereoFrame

→ **StereoLocalizerTrialConfirmDoseChange** query of type action

→ **StereoVersionMatches** query of type action

→ **StopSimulateMPR** set of type action

→ **Store** subobject of type StringKeyDict

→ **SubIrregLayout** query and set of type EnumeratedList with labels

- → **SyncVolumesFromCopiedPlans** set of type action

- → **SyntegraPanel** query and set of type EnumeratedList with labels

- → **SyntegraPrefs** subobject of type SyntegraPreferences

- → **SyntegraView** query and set of type EnumeratedList with labels

- → **SystemNTCPList** list of type NTCP

- → **SystemScriptDirectory** query of type ObjString

- → **TempReport** query and set of type pointer

- → **TemporalNavigatorKey** set of type action

- → **TestTimeDifference** subobject of type TimeDifference

- → **ToggleGateAVG** set of type action

- → **ToggleGateMIP** set of type action

- → **ToggleGateMinIP** set of type action

- → **ToggleHighlightColor** set of type action

- → **TransmitMLCLeaves** query of type bool set of type action

- → **TrialDoseComparison** subobject of type TrialDoseComparison

- → **TrialDoseInvalidWhileFiling** query and set of type bool

- → **TrialList** list of type Trial

- → **TrialPoiReport** subobject of type TrialPoiReport

- → **TurnOffCine** set of type action

- → **UnderLoading** query and set of type bool

- → **UnloadAndReloadPlan** set of type action

- → **UpdatePhantomPlanPosition** set of type action

- → **UpdatePlanRecordTrialList** set of type action

- → **UpdateRoiReliantList** set of type action

- → **UseGyForDoseDisplay** query and set of type bool

- → **ValidateFileListSave** query of type action

- → **ViewMBSFilteredVolume** set of type action

- → **ViewWindowConfigList** list of type ViewWindowConfig

- → **ViewWindowList** list of type ViewWindow

- → **VolumeBeingEdited** subobject of type Volume

- → **VolumeBeingEditedObject** subobject of type Volume

- → **VolumeDisplayList** list of type VolumeDisplay

- → **VolumeEditorLayout** query and set of type EnumeratedList with labels

- → **VolumeEditorMode** query and set of type bool

- → **VolumeList** list of type Volume

- → **VolumeOptimizer** subobject of type VolumeOptimizer

- → **WaitMessage** set of type action

- → **WaitMessageIsOn** query of type action

- → **WaitMessageOff** set of type action

- → **Warn2DBRVRotationRequiresAcqsimLicense** set of type action

- → **WarnAboutComputedProfiles** set of type action

- → **WarnAboutNTCP** query and set of type bool

$\rightarrow$ **WarnBrachyNotEnabled** set of type action

$\rightarrow$ **WarnNoTrialSelected** set of type action

$\rightarrow$ **WarningMessage** set of type action

$\rightarrow$ **WindowLevelList** list of type WindowLevel

$\rightarrow$ **WindowList** pluriform list of types WindowWrapper GeoForm

$\rightarrow$ **WriteAAPMOutput** set of type action

$\rightarrow$ **WriteOpenRTPOutput** set of type action

$\rightarrow$ **WriteVolumePath** query and set of type ObjString

$\rightarrow$ **WriteVolumePrefix** query and set of type ObjString

PlanEvalPlugin

- → **BeginMessageBatch** set of type action
- → **Cancel** set of type action
- → **ClassName** query of type string
- → **Composites** subobject of type PE_Composites
- → **Destroy** set of type action
- → **EUDObjectiveList** list of type PE_EUDObjective
- → **EndLoadPlugins** set of type action
- → **EndMessageBatch** set of type action
- → **EvaluateEUD** set of type action
- → **Existence** query of type bool
- → **ExportResponseData** set of type string
- → **HasSavedResponses** query and set of type bool
- → **Initialize** set of type action
- → **InstanceName** query of type string
- → **InvalidateComposites** set of type action
- → **IsFiling** query of type bool
- → **IsNewer** query of type bool
- → **IsOkForBioEval** query of type bool
- → **IsOkToSave** query and set of type bool
- → **LineTypeList** list of type SimpleString
- → **LoadPersistentData** set of type action
- → **PlanHasUnlicensedResponses** query of type bool
- → **PluginName** query of type string
- → **Populate** set of type action
- → **ROIGroupList** list of type PE_ROIGroup
- → **ROIList** list of type PE_ROI
- → **RedrawDVH** set of type action
- → **RedrawResponseValues** set of type action
- → **RemoveCurrentResponseFromTrialsRelyOnList** set of type action
- → **RemoveResponseFromTrialsRelyOnList** set of type string
- → **ResponseChanged** set of type string
- → **ResponseDeleted** set of type action
- → **ResponseObjectiveList** list of type OrbitResponseObjective
- → **ResponseObjectiveListTypes** query and set of type string
- → **ResponseSelected** set of type string
- → **ResponseValueList** list of type PE_ResponseValue
- → **ResponseValuesPlotStyle** subobject of type PlotStyle
- → **ResponseValuesValid** query of type bool
- → **ResponseValuesValidity** query of type string
- → **ResponseValuesValidityColorPixel** query of type int
- → **Revision** query of type string

- → **RoiGroupTab** query and set of type bool
- → **Run** set of type action
- → **SavePersistentData** query of type int
- → **TrialList** list of type PE_Trial
- → **UnitTestMode** query and set of type bool
- → **UnloadPlan** set of type action
- → **UpdateCompositesValidity** set of type action
- → **UpdateTrialsValidity** set of type action

PlanInfo

- → **Comment** query and set of type ObjString
- → **DateOfBirth** query and set of type ObjString
- → **Diagnosis** query and set of type ObjString
- → **Disease** query and set of type ObjString
- → **EncounterNumber** query and set of type ObjString
- → **FirstName** query and set of type ObjString
- → **Gender** query and set of type ObjString
- → **Institution** query and set of type ObjString
- → **LastName** query and set of type ObjString
- → **MedicalRecordNumber** query and set of type ObjString
- → **MiddleName** query and set of type ObjString
- → **OKForSyntegra** query and set of type bool
- → **PatientID** query and set of type int
- → **PatientName** query and set of type ObjString
- → **PatientPath** query and set of type ObjString
- → **Physician** query and set of type ObjString
- → **Physicist** query and set of type ObjString
- → **PlanIsEditable** query and set of type bool
- → **PlanLockStatus** query and set of type ObjString
- → **PlanName** query and set of type ObjString
- → **PlanPath** query and set of type ObjString
- → **Planner** query and set of type ObjString
- → **Prescription** query and set of type ObjString
- → **PrimaryImageType** query and set of type ObjString
- → **TimeStamp** query of type action
- → **TrialName** query and set of type ObjString

Plugin

→ **Cancel** set of type action

→ **HasProcess** query of type action

→ **IsRunning** query and set of type bool

→ **ProcessHandle** query and set of type pointer

→ **Run** set of type action

→ **SharedLib** subobject of type SharedLib

Poi

- $\rightarrow$ **AddToDisplayList** set of type action
- $\rightarrow$ **AssociatedVolume** query of type action
- $\rightarrow$ **BroadcastDisplay** set of type action
- $\rightarrow$ **Color** query and set of type ObjString
- $\rightarrow$ **ColorPixel** query of type action
- $\rightarrow$ **CoordSys** query and set of type EnumeratedList with labels
- $\rightarrow$ **CoordinateFormat** query and set of type ObjString
- $\rightarrow$ **CurrXCoord** query and set of type action
- $\rightarrow$ **CurrYCoord** query and set of type action
- $\rightarrow$ **CurrZCoord** query and set of type action
- $\rightarrow$ **DefaultXPosition** query and set of type float
- $\rightarrow$ **DefaultYPosition** query and set of type float
- $\rightarrow$ **DefaultZPosition** query and set of type float
- $\rightarrow$ **Diameter** query and set of type action
- $\rightarrow$ **DiameterUnits** query of type action
- $\rightarrow$ **DicomCoordDisplayOn** query of type action
- $\rightarrow$ **DicomXCoord** query and set of type action
- $\rightarrow$ **DicomYCoord** query and set of type action
- $\rightarrow$ **DicomZCoord** query and set of type action
- $\rightarrow$ **Display2d** query and set of type EnumeratedList with labels
- $\rightarrow$ **Display2dOptions** query and set of type StringList
- $\rightarrow$ **Display3DOn** query and set of type action
- $\rightarrow$ **Display3d** query and set of type EnumeratedList with labels
- $\rightarrow$ **Display3dOptions** query and set of type StringList
- $\rightarrow$ **DisplayPlanes** query and set of type bool
- $\rightarrow$ **DisplayXCoord** query and set of type action
- $\rightarrow$ **DisplayYCoord** query and set of type action
- $\rightarrow$ **DisplayZCoord** query and set of type action
- $\rightarrow$ **EndMessageBatch** set of type action
- $\rightarrow$ **IsPrimaryPoi** query of type action
- $\rightarrow$ **LocalVolX** query and set of type action
- $\rightarrow$ **LocalVolY** query and set of type action
- $\rightarrow$ **LocalVolZ** query and set of type action
- $\rightarrow$ **LocalXCoord** query and set of type action
- $\rightarrow$ **LocalYCoord** query and set of type action
- $\rightarrow$ **LocalZCoord** query and set of type action
- $\rightarrow$ **MoveToDefaultPosition** set of type action
- $\rightarrow$ **Name** query and set of type ObjString
- $\rightarrow$ **ObjectVersion** subobject of type ObjectVersion
- $\rightarrow$ **Parent** subobject of type Pinnacle
- $\rightarrow$ **ParentIsRecord** query of type action

→ **PoiDisplayOnOtherVolumes** query and set of type bool

→ **PoiInterpretedType** query and set of type EnumeratedList with labels

→ **PoiInterpretedTypeList** query and set of type StringList

→ **PolygonShadingMode** query and set of type int

→ **PostVolumeMove** set of type action

→ **PreVolumeMove** set of type action

→ **Radius** query and set of type float

→ **RelativeXCoord** query and set of type action

→ **RelativeYCoord** query and set of type action

→ **RelativeZCoord** query and set of type action

→ **RelyOnList** query and set of type

→ **RemoveFromDisplayList** set of type action

→ **Rotation** subobject of type Point

→ **SetVolumeName** set of type action

→ **SphereTriangleLevel** query and set of type int

→ **ToggleCoordSys** set of type action

→ **Transform** set of type action

→ **TransverseOnly** query and set of type bool

→ **TrialObject** query and set of type pointer

→ **Units** query and set of type EnumeratedList with labels

→ **VolumeName** query and set of type ObjString

→ **XCoord** query and set of type action

→ **XRotation** query and set of type action

→ **YCoord** query and set of type action

→ **YRotation** query and set of type action

→ **ZCoord** query and set of type action

→ **ZRotation** query and set of type action

PoiPrescription

    → **ActualDose** query and set of type float

    → **DesiredDose** query and set of type float

    → **Equality** query and set of type EnumeratedList with labels

    → **Penalty** query and set of type float

    → **Poi** query and set of type

    → **PoiName** query and set of type action

PoiPrescription

Point

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **X** query and set of type float

$\rightarrow$ **Y** query and set of type float

$\rightarrow$ **Z** query and set of type float

Prescription

- $\rightarrow$ **ActualDose** query and set of type float
- $\rightarrow$ **ActualDosePerFraction** query of type action
- $\rightarrow$ **ActualDoseValid** query and set of type bool
- $\rightarrow$ **ActualMUPerFraction** query of type action
- $\rightarrow$ **AllBeamsComputed** query of type action
- $\rightarrow$ **ApplicableToleranceTableList** query of type action
- $\rightarrow$ **BeamMachineDependency** set of type action
- $\rightarrow$ **Color** query and set of type ObjString
- $\rightarrow$ **ColorPixel** query of type action
- $\rightarrow$ **DefaultToleranceTableName** query of type action
- $\rightarrow$ **Description** query of type action
- $\rightarrow$ **DoseUncertainty** query and set of type float
- $\rightarrow$ **DoseUncertaintyLabel** query of type action
- $\rightarrow$ **DoseUncertaintyValid** query and set of type bool
- $\rightarrow$ **IsPrescribe** query of type action
- $\rightarrow$ **IsPrescribeToPoint** query of type action
- $\rightarrow$ **IsPrescribeToRoi** query of type action
- $\rightarrow$ **IsSetMonitorUnits** query of type action
- $\rightarrow$ **Method** query and set of type EnumeratedList with labels
- $\rightarrow$ **MethodList** query and set of type StringList
- $\rightarrow$ **Name** query and set of type ObjString
- $\rightarrow$ **NormalizationIsPoi** query of type action
- $\rightarrow$ **NormalizationIsRoi** query of type action
- $\rightarrow$ **NormalizationMethod** query and set of type action
- $\rightarrow$ **NormalizationMethodList** query of type action
- $\rightarrow$ **NumberOfBeams** query of type action
- $\rightarrow$ **NumberOfFractions** query and set of type float
- $\rightarrow$ **PrescripUncertaintyValid** query and set of type bool
- $\rightarrow$ **PrescriptionDose** query and set of type float
- $\rightarrow$ **PrescriptionPercent** query and set of type float
- $\rightarrow$ **PrescriptionPeriod** query and set of type EnumeratedList with labels
- $\rightarrow$ **PrescriptionPeriodList** query and set of type StringList
- $\rightarrow$ **PrescriptionPoint** query and set of type action
- $\rightarrow$ **PrescriptionRoi** query and set of type action
- $\rightarrow$ **PrescriptionUncertainty** query and set of type float
- $\rightarrow$ **PrescriptionUncertaintyLabel** query of type action
- $\rightarrow$ **PrescriptionValid** query and set of type bool
- $\rightarrow$ **RelyOnList** query and set of type
- $\rightarrow$ **RequestedMonitorUnitsPerFraction** query and set of type float
- $\rightarrow$ **SelectedForDICOMExport** query and set of type bool
- $\rightarrow$ **TargetPrescription** query and set of type float

- → **ToleranceTableName** query and set of type action
- → **ToleranceTableNumber** query of type action
- → **TotalMonitorUnitsPerFraction** query and set of type float
- → **TrialObject** query and set of type pointer
- → **ValidForMonteCarlo** query of type action
- → **ValidatePrescriptionPoint** set of type action
- → **ValidatePrescriptionRoi** set of type action
- → **WeightsProportionalTo** query and set of type EnumeratedList with labels
- → **WeightsProportionalToList** query and set of type StringList

Printer

$\rightarrow$ **AETitle** query and set of type action

$\rightarrow$ **BorderDensity** query and set of type EnumeratedList with labels

$\rightarrow$ **CanCollate** query and set of type bool

$\rightarrow$ **ColorCapable** query and set of type EnumeratedList with labels

$\rightarrow$ **Command** query and set of type ObjString

$\rightarrow$ **ConfigurationString** query and set of type ObjString

$\rightarrow$ **Destination** query and set of type action

$\rightarrow$ **EmptyDensity** query and set of type EnumeratedList with labels

$\rightarrow$ **FilmSize** query and set of type action

$\rightarrow$ **IsValidPrintMargin** query of type action

$\rightarrow$ **Magnification** query and set of type action

$\rightarrow$ **MaxDensity** query and set of type int

$\rightarrow$ **Medium** query and set of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **OutputFormat** query and set of type EnumeratedList with labels

$\rightarrow$ **PaperSize** query and set of type ObjString

$\rightarrow$ **Polarity** query and set of type EnumeratedList with labels

$\rightarrow$ **Print** set of type action

$\rightarrow$ **PrintMargin** query and set of type float

$\rightarrow$ **PrintMarginWarning** set of type action

$\rightarrow$ **PrintMemory** set of type action

$\rightarrow$ **Priority** subobject of type SimpleString

$\rightarrow$ **SmoothingType** query and set of type ObjString

$\rightarrow$ **TimeOut** query and set of type int

$\rightarrow$ **Trim** query and set of type bool

$\rightarrow$ **XFeatureSize** query and set of type

$\rightarrow$ **YFeatureSize** query and set of type

PrinterControl

→ **CompanionClassPtr** query and set of type pointer

→ **CompanionObjectPtr** query and set of type pointer

→ **LoadPrinterList** set of type action

→ **MaxScale** query and set of type float

→ **PrintConfirmationMessage** query and set of type ObjString

→ **PrintToFile** query and set of type bool

→ **PrintToFileFileList** subobject of type FileList

→ **PrintToFilePaperSize** query and set of type ObjString

→ **PrinterCommandFileName** query and set of type ObjString

→ **PrinterList** list of type Printer

→ **PrinterListFileName** query and set of type ObjString

→ **PrinterName** query and set of type ObjString

→ **SavePrinterList** set of type action

→ **SendToSelectedPrinter** set of type action

→ **UpdateScaleMethod** set of type action

→ **ValidateSelectedPrinter** set of type action

→ **WindowDumpFieldWidth** query and set of type float

→ **WindowDumpHeight** query and set of type int

→ **WindowDumpScaleFactor** query of type float set of type action

→ **WindowDumpScaleMethod** query and set of type EnumeratedList with labels

→ **WindowDumpSelectionMethod** query and set of type EnumeratedList with labels

→ **WindowDumpWidth** query and set of type int

→ **WindowDumpWindowId** query and set of type int

→ **WindowDumpWindowName** query of type action

→ **WindowDumpXOffset** query and set of type int

→ **WindowDumpYOffset** query and set of type int

→ **WriteSelectedPrinterCommandToFile** set of type action

ProfileMetrics

  → **BroadcastChange** set of type action

  → **ClearAll** set of type action

  → **DepthDoseBuildUpRegion** subobject of type StatMoments

  → **DepthDoseLowGradientHighDose** subobject of type StatMoments

  → **ElectronDepthDoseBuildUpRegion** subobject of type StatMoments

  → **ElectronDepthDoseHighGradient** subobject of type StatMoments

  → **ElectronDepthDoseLowGradientLowDose** subobject of type StatMoments

  → **HighGradient** subobject of type StatMoments

  → **LowGradientHighDose** subobject of type StatMoments

  → **LowGradientLowDose** subobject of type StatMoments

Property

- → **BeginMessageBatch** set of type action
- → **BoolValue** query and set of type bool
- → **ClassName** query of type string
- → **Description** query of type string
- → **Destroy** set of type action
- → **DoubleValue** query and set of type double
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **FloatValue** query and set of type float
- → **InstanceName** query of type string
- → **IntValue** query and set of type int
- → **IsFiling** query of type bool
- → **StringListValue** query of type StringList
- → **StringValue** query and set of type string
- → **VoidPtrValue** query and set of type pointer

PropertyList

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **List** list of type Property

ProtocolManager

→ **Add** set of type action

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Delete** set of type action

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **FileList** subobject of type FileList

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **Load** set of type action

→ **Save** set of type action

→ **SetName** set of type string

→ **SystemListCurrent** query and set of type bool

QuickSimPref

→ **BeamDefaultColor** query and set of type ObjString

→ **BeamsInitialViewingLayout** query and set of type ObjString

→ **BeamsViewIconLabel** query of type action

→ **CouchDefaultColor** query and set of type ObjString

→ **CreateOrthogonalBeams** query and set of type bool

→ **CubeVoi** query and set of type action

→ **DefaultApplyDrrControl** query and set of type action

→ **DefaultDcrControlTypeName** query and set of type ObjString

→ **DefaultDrrControlTypeName** query and set of type ObjString

→ **DefaultLayout** query and set of type int

→ **DefaultROIOutlineBEV** query and set of type action

→ **DefaultWindowLevel** query and set of type ObjString

→ **EnableQuickSim** query and set of type bool

→ **Grid2DDefaultColor** query and set of type ObjString

→ **InitialViewIconLabel** query of type action

→ **InitialViewingLayout** query and set of type ObjString

→ **LaserDefaultColor** query and set of type ObjString

→ **LockCollimators** query and set of type action

→ **POIDefaultColor** query and set of type ObjString

→ **PaintBrushRadius** query of type float set of type action

→ **ROIDefaultColor** query and set of type ObjString

→ **RefInd2D** query and set of type action

→ **RenderAutomatically** query of type bool set of type action

→ **SidePopup** query and set of type action

→ **ToggleRefInd2D** set of type action

→ **UpperRightWin** query and set of type EnumeratedList with labels

→ **UpperRightWinList** query of type action

RegionOfInterest

→ **AdaptAfterPropagate** query and set of type bool

→ **AdaptSurfaceMesh** set of type action

→ **AdaptationStatus** query and set of type action

→ **AddIsodToModifierDisplayList** set of type action

→ **AddSplineNode** set of type action

→ **AddToBolusList** set of type action

→ **AddToDisplayList** set of type action

→ **AddToModifierDisplayList** set of type action

→ **AnyChangeDependency** query of type action

→ **ApplyBoundingBox** query and set of type bool

→ **AssociatedVolume** query and set of type action

→ **Author** query and set of type ObjString

→ **AutoContourROI** set of type action

→ **AutoContourUnits** query and set of type action

→ **AutoContourUnitsTypeList** query and set of type StringList

→ **AutoLower** query and set of type action

→ **AutoUpdateContours** query and set of type bool

→ **AutoUpper** query and set of type action

→ **BBDependency** query and set of type pointer

→ **BelongToPrimary** query of type action

→ **BinVol** query and set of type

→ **BinaryOutput** query and set of type

→ **BinaryVolume** query and set of type

→ **BoundingBox** subobject of type BoundingBox

→ **BoxSize** query and set of type

→ **CTNumber** query of type int set of type action

→ **CanUseSUV** query of type action

→ **CancelAdaptation** query and set of type bool

→ **CancelExpansion** query and set of type bool

→ **Centroid** query of type action

→ **CheckBinVolMatchesContours** set of type action

→ **Clean** set of type action

→ **CleanAndDelete** set of type action

→ **CleanAndMove** set of type action

→ **CleanMesh** set of type action

→ **Color** query of type string set of type action

→ **ColorPixel** query of type action

→ **ComputeRoiVolume** set of type action

→ **ConfirmInvalidateBoluses** query of type action

→ **ConfirmTrialDoseChangeIfOverride** query of type action

→ **ContourData** subobject of type ContourDataEditor

$\rightarrow$ **ContourInterpolationMode** query and set of type EnumeratedList with labels

$\rightarrow$ **ContoursMatchMesh** query and set of type bool

$\rightarrow$ **ContoursValid** query and set of type action

$\rightarrow$ **CopyCurveToEditCurve** set of type action

$\rightarrow$ **CopyCurvesOnLastSliceToSlice** set of type action

$\rightarrow$ **CopyEditCurveToCurve** set of type action

$\rightarrow$ **CopyEditCurveToNewCurve** set of type action

$\rightarrow$ **CopyEditCurveToNewCurveAndClear** set of type action

$\rightarrow$ **CopyEditCurveToSliceRange** set of type action

$\rightarrow$ **CopyMeshToTargetRoi** set of type action

$\rightarrow$ **CopyOrganModelToMesh** set of type action

$\rightarrow$ **CreateBinaryRoiOutput** set of type action

$\rightarrow$ **CursorPosition** subobject of type Point

$\rightarrow$ **CurveCount** query of type int

$\rightarrow$ **CurveErrorList** query and set of type StringList

$\rightarrow$ **CurveMinArea** query of type float set of type action

$\rightarrow$ **CurveOverlapMinimum** query and set of type float

$\rightarrow$ **DBName** query of type string set of type action

$\rightarrow$ **DecimateToSurfaceMesh** set of type action

$\rightarrow$ **DeleteEditedCurveIfEmpty** set of type action

$\rightarrow$ **DeleteInterpolatedCurves** set of type action

$\rightarrow$ **DeleteSplineNodes** set of type action

$\rightarrow$ **DeleteUnmarkedCurves** set of type action

$\rightarrow$ **Density** query of type float set of type action

$\rightarrow$ **DensityUnits** query and set of type EnumeratedList with labels

$\rightarrow$ **DesiredVolumeName** query and set of type ObjString

$\rightarrow$ **DestMeshName** query and set of type ObjString

$\rightarrow$ **Display2d** query and set of type action

$\rightarrow$ **Display2dOptions** query of type action

$\rightarrow$ **Display2dWithMeshCheck** set of type action

$\rightarrow$ **Display3d** query and set of type action

$\rightarrow$ **Display3dOptions** query of type action

$\rightarrow$ **Display3dWithMeshCheck** set of type action

$\rightarrow$ **DisplayBoundingBox** query and set of type bool

$\rightarrow$ **DisplayIsMesh** query of type action

$\rightarrow$ **DisplayIsodensity** query of type bool set of type action

$\rightarrow$ **DisplayOnOtherVolumes** query and set of type bool

$\rightarrow$ **Dose** query and set of type action

$\rightarrow$ **DumpIteratorData** set of type action

$\rightarrow$ **EditCurve** subobject of type CurvePainter

$\rightarrow$ **EditCurveIndex** query and set of type int

$\rightarrow$ **EditCurveNotEmpty** query of type action

$\rightarrow$ **EditPlotStyle** subobject of type PlotStyle

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **ErodeDilate2d** set of type action

$\rightarrow$ **ErodeDilate3d** set of type action

$\rightarrow$ **ErodeDilatePixelFraction** query and set of type float

$\rightarrow$ **EstimateTPC** query and set of type bool

$\rightarrow$ **EstimateVertices** set of type action

$\rightarrow$ **ExcludeAirVoxels** query and set of type bool

$\rightarrow$ **ExcludeOtherRoi** set of type action

$\rightarrow$ **ExpandingRoi** query and set of type bool

$\rightarrow$ **FileName** subobject of type FileName

$\rightarrow$ **FlatShading** set of type action

$\rightarrow$ **FreeIteratorData** set of type action

$\rightarrow$ **GaussianToolInUse** query and set of type bool

$\rightarrow$ **GouraudShading** set of type action

$\rightarrow$ **HasCurves** query of type action

$\rightarrow$ **InterpolateContours** set of type action

$\rightarrow$ **InterpolationModeList** query and set of type StringList

$\rightarrow$ **InvalidateAffectedBoluses** set of type action

$\rightarrow$ **InvertDensityLoading** query of type bool set of type action

$\rightarrow$ **IsAdapting** query and set of type bool

$\rightarrow$ **IsAddToGroupRoiList** query and set of type bool

$\rightarrow$ **IsBeingDrawn** query and set of type bool

$\rightarrow$ **IsBeingEdited** query of type action

$\rightarrow$ **IsBeingPainted** query and set of type bool

$\rightarrow$ **IsBolusROI** query and set of type bool

$\rightarrow$ **IsCreatedByAtlasSeg** query and set of type bool

$\rightarrow$ **IsLinked** query and set of type bool

$\rightarrow$ **IsRemoveFromGroupRoiList** query and set of type bool

$\rightarrow$ **IsSelectedForDeletion** query and set of type bool

$\rightarrow$ **IsSpline** query of type bool set of type action

$\rightarrow$ **IssueCompositeWarning** set of type action

$\rightarrow$ **IssueIsovalueWarning** set of type action

$\rightarrow$ **IssueObliqueOrthoWarning** set of type action

$\rightarrow$ **IssueObliqueWarning** set of type action

$\rightarrow$ **IssueWrongVolumeWarning** set of type action

$\rightarrow$ **IterateWithOldAlgorithm** query and set of type bool

$\rightarrow$ **LessThanTwoCurves** query and set of type bool

$\rightarrow$ **Line2dWidth** query and set of type int

$\rightarrow$ **Line2dWidthList** query and set of type StringList

$\rightarrow$ **Line2dWidthString** query and set of type action

$\rightarrow$ **Line3dWidth** query and set of type int

→ **LinkAndName** query of type action

→ **LinkAndName Short** query of type action

→ **LoadIntoDataSet** set of type action

→ **LoadOption** query and set of type EnumeratedList with labels

→ **LoadVTK** set of type action

→ **LongLoadOptionList** query and set of type StringList

→ **Magnify** set of type action

→ **Material** query and set of type ObjString

→ **MaxContourPts** query and set of type action

→ **MaxDisplay** query of type action

→ **MaxSliceCoordForCopy** query and set of type float

→ **Maximum** query of type action

→ **Mean** query of type action

→ **MeanDisplay** query of type action

→ **MeanMeshIsPersistent** query and set of type bool

→ **MeshDisplayDependency** query of type action

→ **MinDisplay** query of type action

→ **MinSliceCoordForCopy** query and set of type float

→ **Minimum** query of type action

→ **MoveCurrentPOIToSlice** set of type action

→ **Name** query of type string set of type action

→ **NumberOfSplineNodes** query of type action

→ **ObjectVersion** subobject of type ObjectVersion

→ **OrganName** query and set of type ObjString

→ **OutlineBEVDRR** query of type bool set of type action

→ **OverrideDensity** query and set of type action

→ **OverrideImage** query of type action

→ **OverrideMaterial** query and set of type action

→ **OverrideOrder** query and set of type int

→ **PaintAllowCurveClosing** query and set of type bool

→ **PaintBrushDiameterIconName** query of type action

→ **PaintBrushRadius** query and set of type float

→ **PaintNearnessMultiplier** query and set of type float

→ **Parent** subobject of type Pinnacle

→ **ParentIsRecord** query of type action

→ **PencilToolInUse** query and set of type bool

→ **PercentOutsideVol** query of type action

→ **PhongShading** set of type action

→ **PriorColor** query and set of type ObjString

→ **Propagate** query and set of type bool

→ **ROINumber** query and set of type int

→ **ReadContourData** set of type action

- → **ReadFromDate** query and set of type ObjString
- → **ReadFromProgram** query and set of type ObjString
- → **ReadFromVersion** query and set of type ObjString
- → **RecommendedVertices** query and set of type int
- → **RecomputeStatistics** set of type action
- → **RecomputeStatisticsForRoi** set of type action
- → **RecomputeStatisticsIfMatchingVol** set of type action
- → **RecomputeStatsIfDensity** set of type action
- → **RecomputeStatsWhenAltered** set of type action
- → **RecomputeStatsWhenRequested** set of type action
- → **RedisplayDependency** query of type action
- → **ReduceArea** set of type action
- → **ReduceDistance** set of type action
- → **RelativeCentroid** query of type action
- → **RelativeCentroidRefPoint** query and set of type action
- → **RelativeMagnitude** query of type action
- → **RelyOnList** query and set of type
- → **RemoveAllCurves** set of type action
- → **RemoveAllCurvesWithoutWarning** set of type action
- → **RemoveFromDisplayList** set of type action
- → **RemoveFromModifierDisplayList** set of type action
- → **RemoveIsodFromModifierDisplayList** set of type action
- → **RemoveLastSplineNode** set of type action
- → **RepairAfterMeshGeneration** query and set of type bool
- → **RepairOverlap** set of type action
- → **ReplaceSplineNode** set of type action
- → **RequestedVertices** query and set of type int
- → **ResetRoiExpandState** set of type action
- → **ResetToDesiredVolume** set of type action
- → **ResetToDesiredVolumeWithoutWarning** set of type action
- → **RestoreDisplaySettings** set of type action
- → **RoiExpandState** query and set of type EnumeratedList with labels
- → **RoiInterpretedType** query and set of type EnumeratedList with labels
- → **RoiInterpretedTypeList** query and set of type StringList
- → **RoiVolume** query and set of type float
- → **RoiVolumeDate** query of type action
- → **RoiVolumeDescription** query of type action
- → **SaveBinaryVolumeAs** set of type action
- → **SaveDisplaySettings** set of type action
- → **SaveDoseGrid** set of type action
- → **SaveVTK** set of type action
- → **SelectForDeletionIfAtlas** set of type action

- → **SelectedForEditing** query and set of type bool
- → **SetDensityUnits** set of type action
- → **ShowColorwashWithMesh** query of type bool set of type action
- → **ShowContoursWithMesh** query and set of type bool
- → **ShowMeanMesh** query of type bool set of type action
- → **SliceNumberOfLastCurve** query of type action
- → **SmoothAfterMeshGeneration** query and set of type bool
- → **SmoothContour** set of type action
- → **SmoothMeanMesh** set of type action
- → **SmoothMesh** set of type action
- → **SplineNodeList** query and set of type
- → **StatUnits** query of type action
- → **StatisticsValid** query of type action
- → **StatisticsVolumeLocked** query and set of type bool
- → **StatsVolumeList** query of type action
- → **StatsVolumeName** query and set of type action
- → **StdDev** query of type action
- → **StdDevDisplay** query of type action
- → **StoppingPower** query of type float set of type action
- → **StoppingPowerOverrideHelper** subobject of type StoppingPowerOverrideHelper
- → **Sum** query of type action
- → **SuppressDVHComputation** query of type bool set of type action
- → **SurfaceMesh** subobject of type SurfaceMesh
- → **SurfaceMeshModified** set of type action
- → **SurfaceMeshToDisplay** set of type action
- → **SurfaceMeshToTransverseContours** set of type action
- → **ThinAllContours** set of type action
- → **Transform** set of type action
- → **UID** query and set of type ObjString
- → **UndoLastCurve** set of type action
- → **UpdateVolumeName** set of type action
- → **UpdateWorldCoordsIfMatchingVol** set of type action
- → **UseInterpRoi** query and set of type bool
- → **UseSUVForAutoContour** query of type action
- → **UseSUVForStats** query and set of type bool
- → **Volume** query of type action
- → **VolumeName** query of type string set of type action
- → **VolumeUnits** query of type action
- → **VolumeValueUnits** query of type action
- → **Warped** query and set of type bool
- → **WorldToLocalVolTransform** query of type action
- → **XSurfaceMeshOffset** query of type action

$\rightarrow$ **YSurfaceMeshOffset** query of type action

$\rightarrow$ **ZSurfaceMeshOffset** query of type action

RenderOptions

    $\rightarrow$ **LowerRenderThreshold** query and set of type float

    $\rightarrow$ **RenderFlags** query and set of type int

    $\rightarrow$ **RenderStepSize** query and set of type float

    $\rightarrow$ **SetPrimaryDataSetDefaults** set of type action

    $\rightarrow$ **UpperRenderThreshold** query and set of type float

Report

$\rightarrow$ **CurrentXPosition** query and set of type int

$\rightarrow$ **CurrentYPosition** query and set of type int

$\rightarrow$ **Document** subobject of type Document

$\rightarrow$ **HighPageNumber** query and set of type int

$\rightarrow$ **NextPage** set of type action

$\rightarrow$ **PageNumber** query and set of type int

$\rightarrow$ **QueryObject** query and set of type pointer

$\rightarrow$ **ScaleNextQueryWithMsg** set of type action

$\rightarrow$ **TextJustification** query and set of type EnumeratedList with labels

$\rightarrow$ **TextPointSize** query and set of type int

$\rightarrow$ **TextSizeLimit** query and set of type int

$\rightarrow$ **TextStyle** query and set of type EnumeratedList with labels

$\rightarrow$ **TextUnderline** query and set of type bool

$\rightarrow$ **TextXBlockOffset** query of type int set of type action

$\rightarrow$ **TextYBlockOffset** query of type int set of type action

ReportRevision

→ **CurrentReportRevision** query of type action

→ **DoseModifiedSinceLastReport** query and set of type bool

→ **DoseRevision** query and set of type int

→ **LockedRevision** query and set of type ObjString

→ **PoiModifiedSinceLastReport** query and set of type bool

→ **PoiRevision** query and set of type int

→ **ReportRevisionChanged** query of type action

→ **RoiModifiedSinceLastReport** query and set of type bool

→ **RoiRevision** query and set of type int

→ **SavedDuringUpdate** query and set of type bool

→ **UpdateReportRevision** set of type action

→ **UpdatedReportRevision** query of type action

RoiAtlas

→ **CenterX** query and set of type float

→ **CenterY** query and set of type float

→ **CenterZ** query and set of type float

→ **Color** query and set of type ObjString

→ **ColorPixel** query of type action

→ **ComputeCenterFromOrgans** set of type action

→ **Display2d** query and set of type ObjString

→ **Display2dWithMeshCheck** set of type action

→ **Display3d** query and set of type ObjString

→ **Display3dWithMeshCheck** set of type action

→ **Line2dWidth** query and set of type int

→ **Line2dWidthList** query and set of type StringList

→ **Line2dWidthString** query and set of type action

→ **Name** query and set of type ObjString

→ **OrganList** list of type RegionOfInterest

→ **SwitchToAtlasDisplay** set of type action

→ **SwitchToRoiDisplay** set of type action

→ **SynchOrganDisplay** query and set of type bool

→ **UpdateOrganDisplay** set of type action

RoiExpandControl

- → **CheckTargetRoi** set of type action
- → **ConstantPadding** query and set of type float
- → **CreateNewTarget** query and set of type bool
- → **DoExpand** set of type action
- → **DoGroupExpand** set of type action
- → **DoGroupRingExpansion** set of type action
- → **DoRingExpansion** set of type action
- → **Expand** query and set of type bool
- → **NegXPadding** query and set of type float
- → **NegYPadding** query and set of type float
- → **NegZPadding** query and set of type float
- → **PosXPadding** query and set of type float
- → **PosYPadding** query and set of type float
- → **PosZPadding** query and set of type float
- → **TargetRoi** query and set of type action
- → **TargetRoiName** query of type ObjString set of type action
- → **UseConstantPadding** query and set of type bool

RoiManager

→ **AdaptSurfaceMesh** set of type action

→ **AddToGroupRoiList** set of type action

→ **AtlasList** list of type RoiAtlas

→ **BeginMessageBatch** set of type action

→ **CancelPropagation** query and set of type bool

→ **CleanMesh** set of type action

→ **ConvertAllMeshToContours** set of type action

→ **CopyOrganModelToMesh** set of type action

→ **CreateRoiGroup** set of type action

→ **CurrentRoiList** list of type RegionOfInterest

→ **DeformablyPropagate** query and set of type bool

→ **DeformablyPropagateOrgans** set of type action

→ **DeformationValid** query of type action

→ **DeleteRoiGroup** set of type action

→ **EndMessageBatch** set of type action

→ **LinkMeshDisplayToVolDisplay** set of type action

→ **LoadCenter** query of type action

→ **Magnify** set of type action

→ **PropagateFromRecord** set of type action

→ **PropagateOrgans** set of type action

→ **PropagatingRois** query and set of type bool

→ **RemoveFromAllAtlases** set of type action

→ **RemoveFromGroupRoiList** set of type action

→ **RepairOverlap** set of type action

→ **ResetGroupRoiListSelection** set of type action

→ **ResetUID** set of type action

→ **RoiGroupList** list of type RoiGroup

→ **RoiListName** query and set of type action

→ **SmoothMeanMesh** set of type action

→ **SmoothMesh** set of type action

→ **SurfaceMesh** set of type action

→ **TempRoiList** list of type RegionOfInterest

→ **UpdateTempRoiList** set of type action

RoiOrder

$\rightarrow$ **Order** query and set of type int

$\rightarrow$ **Roi** query and set of type pointer

RoiSequence

→ **Add** set of type action

→ **Build** set of type action

→ **Delete** set of type action

→ **Lock** query and set of type bool

→ **OrderList** list of type RoiOrder

→ **Rebuild** set of type action

→ **Reorder** set of type action

→ **TargetRoi** query and set of type pointer

→ **ToggleOverriding** set of type action

RoiTemplateGroup

- → **AddTemplateFromFile** set of type action
- → **AtlasList** list of type RoiAtlas
- → **BeginMessageBatch** set of type action
- → **CurrentTemplateAtlasName** query and set of type action
- → **DeleteCurrentTemplate** set of type action
- → **DirectoryName** query and set of type ObjString
- → **EndMessageBatch** set of type action
- → **Name** query of type ObjString set of type action
- → **TemplateList** list of type RegionOfInterest

RoiTemplateGroup

RoiTemplateLib

→ **AddGroup** set of type action

→ **CheckName** set of type action

→ **ConfirmPermanentChange** query of type action

→ **CreateFromCurrentAtlas** set of type action

→ **CreateFromCurrentGroup** set of type action

→ **CreateFromCurrentTemplate** set of type action

→ **CreateFromSpecificTemplate** set of type action

→ **CreateRootIfNecessary** set of type action

→ **DeleteGroup** set of type action

→ **FileHierarchy** query of type action

→ **GroupList** list of type RoiTemplateGroup

→ **ImportRoiLibrary** set of type action

→ **LibRootPath** query and set of type ObjString

→ **LoadByName** set of type action

→ **LoadFullLib** set of type action

→ **MergeUpdateAuthorField** set of type action

→ **MergeWithCurrentTemplate** set of type action

→ **MoveTemplateToGroup** set of type action

→ **NameOfModifyingAuthor** query of type ObjString set of type action

→ **NotRestoreList** query and set of type ObjString

→ **RestoreFactorySettings** set of type action

→ **RestoreList** query and set of type ObjString

→ **RoiLibraryImportFileList** subobject of type FileList

→ **SaveROIAsNewTemplate** set of type action

→ **SelectByName** set of type action

Root

→ **AnyEventPending** query of type action

→ **Beep** set of type action

→ **BlockAllInputCallbacks** set of type action

→ **BuildDateAndTime** query and set of type ObjString

→ **BuildYear** query of type action

→ **Button1Pushed** query of type action

→ **Class** query and set of type action

→ **ClassBrowserList** list of type ClassBrowser

→ **DeferDisplayUpdate** query and set of type action

→ **Echo** query and set of type action

→ **False** query of type action

→ **FileErrorHierarchy** query of type action

→ **FileErrorList** list of type ObjectList

→ **GetEnv** query of type action

→ **IF** query and set of type action

→ **IsVerbose** query and set of type bool

→ **LexicalTimeStamp** query of type action

→ **LogStatusMaxAllowedReportLevel** query and set of type action

→ **Malloc** set of type action

→ **Message** set of type action

→ **NEG** query of type action

→ **Number** query of type action

→ **ReportMemUsage** set of type action

→ **ResolveDependencies** set of type action

→ **SpawnCommand** set of type action

→ **SpawnCommandNoWait** set of type action

→ **Test** subobject of type Test

→ **True** query of type action

→ **UpdateClassBrowserList** set of type action

→ **UserName** query of type action

→ **WaitMessage** set of type action

→ **WaitMessageNoCursor** set of type action

→ **WaitMessageOff** set of type action

SFBR

→ **Anatomy** query and set of type string

→ **AnatomyList** query of type StringList

→ **BBendX** query and set of type int

→ **BBendY** query and set of type int

→ **BBendZ** query and set of type int

→ **BBstartX** query and set of type int

→ **BBstartY** query and set of type int

→ **BBstartZ** query and set of type int

→ **BeginMessageBatch** set of type action

→ **Cancel** set of type action

→ **CancelDeforming** query and set of type bool

→ **ClassName** query of type string

→ **ComputeSimulatedDeformation** set of type action

→ **CreateNewDeformedVol** query and set of type bool

→ **DVFEditState** query and set of type bool

→ **DVFdisplayType** query and set of type bool

→ **DVFvolumeFlag** query and set of type bool

→ **DeformNonPrimary** query and set of type bool

→ **DeformPrimaryToSecondary** query and set of type bool

→ **DeformationStatus** query and set of type string

→ **Deforming** query of type bool

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **ExportDeformationMapAction** set of type action

→ **ExportDeformationMapBool** query and set of type bool

→ **GridLineColor** query and set of type string

→ **GridLineWidth** query and set of type int

→ **ImportDVF** set of type action

→ **InstanceName** query of type string

→ **IsAutoBB** query and set of type bool

→ **IsBoundingBoxPresent** query and set of type bool

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **MIFlag** query and set of type bool

→ **MSDscoreAfter** query and set of type double

→ **MSDscoreBefore** query and set of type double

→ **MaskCompare** set of type action

→ **ModalityPair** query and set of type bool

→ **NoiseRemovalFlag** query and set of type bool

→ **PerformSyntegraRigidRegistration** set of type action

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **PropagateInPlace** query and set of type bool

$\rightarrow$ **ReWarpROI** query of type bool

$\rightarrow$ **ReconstructDVFgrid** set of type action

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **StartDeformation** set of type action

$\rightarrow$ **StopDeformation** set of type action

$\rightarrow$ **SyncDVF** set of type action

$\rightarrow$ **UnitTestMode** query and set of type bool

$\rightarrow$ **UseAtlasSegmentedROIs** query and set of type bool

$\rightarrow$ **UseManualBB** query and set of type bool

$\rightarrow$ **Verbose** query of type bool set of type action

$\rightarrow$ **VolToDeformFromName** query and set of type string

$\rightarrow$ **VolToDeformFromNameFiltered** query of type string

$\rightarrow$ **VolToDeformToName** query and set of type string

$\rightarrow$ **VolToDeformToNameFiltered** query of type string

$\rightarrow$ **WarpROIs** set of type action

$\rightarrow$ **XgridSpacing** query and set of type int

$\rightarrow$ **YgridSpacing** query and set of type int

$\rightarrow$ **ZgridSpacing** query and set of type int

$\rightarrow$ **rigidRegFlag** query and set of type bool

SVDDoseEngine

→ **BeginMessageBatch** set of type action

→ **Cancel** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **PluginName** query of type string

→ **Revision** query of type string

→ **Run** set of type action

→ **UnitTestMode** query and set of type bool

Scraper

- → **BeginMessageBatch** query and set of type bool
- → **EndMessageBatch** query and set of type bool
- → **HalfXAperture** query of type float set of type action
- → **HalfXOutside** query of type float set of type action
- → **HalfYAperture** query of type float set of type action
- → **HalfYOutside** query of type float set of type action
- → **IsAnnular** query of type action
- → **IsDivergent** query and set of type bool
- → **IsRemovedForCutout** query and set of type bool
- → **MassDensity** query of type float set of type action
- → **Material** query of type ObjString set of type action
- → **Name** query and set of type ObjString
- → **Shape** query and set of type EnumeratedList with labels
- → **SourceToScraperDistance** query and set of type float
- → **Thickness** query and set of type float

Seed

→ **ActiveLengthInCM** query of type action

→ **Activity** set of type action

→ **ActivityUnits** query and set of type

→ **ActualDirectionX** query and set of type float

→ **ActualDirectionY** query and set of type float

→ **ActualDirectionZ** query and set of type float

→ **ArrayXIndex** query and set of type int

→ **ArrayYIndex** query and set of type int

→ **ArrayZIndex** query and set of type int

→ **BeginMessageBatch** set of type action

→ **CalibrationDistance** query and set of type

→ **CatheterName** query and set of type ObjString

→ **CenterPositionX** query and set of type float

→ **CenterPositionY** query and set of type float

→ **CenterPositionZ** query and set of type float

→ **Description** query of type action

→ **DisplayChangeNode** query of type action

→ **DisplayOn** query and set of type bool

→ **DistanceToActiveBase** query and set of type action

→ **DistanceToActiveTip** query and set of type action

→ **DistanceToSeedBase** query and set of type action

→ **DistanceToSeedCenter** query and set of type float

→ **DistanceToSeedTip** query and set of type action

→ **DrawWithHighlight** query and set of type bool

→ **DwellTimeDescription** query of type action

→ **EndMessageBatch** set of type action

→ **InnerColor** query and set of type

→ **InstallPotentialDirection** set of type action

→ **IsAtCatheterTip** query and set of type bool

→ **IsInCatheter** query of type action

→ **IsInSeedArray** query and set of type bool

→ **IsotopeName** set of type action

→ **Name** query and set of type ObjString

→ **NominalDwellTime** query and set of type float

→ **NominalDwellTimeInSeconds** query of type action

→ **NormalizePotentialDirection** set of type action

→ **OuterColor** query and set of type

→ **PotentialDirectionX** query and set of type float

→ **PotentialDirectionY** query and set of type float

→ **PotentialDirectionZ** query and set of type float

→ **SeedGroup** query and set of type

$\rightarrow$ **SeedGroupName** query and set of type action

$\rightarrow$ **SeedLengthInCM** query of type action

$\rightarrow$ **SetSeedGroupList** set of type action

$\rightarrow$ **ShortDescription** query of type action

$\rightarrow$ **TimeUnits** query and set of type EnumeratedList with labels

$\rightarrow$ **UseDwellTime** query and set of type bool

SeedArray

→ **CatheterLength** query and set of type float

→ **Color** query and set of type ObjString

→ **CoordSystem** subobject of type CoordSystem

→ **DisplayEnabled** query and set of type bool

→ **FrontPlaneOffset** query and set of type float

→ **InstallContainerObject** set of type action

→ **InstallDefaultTemplate** set of type action

→ **InstallTemplate** set of type action

→ **InstallVolume** set of type action

→ **IsLocked** query and set of type bool

→ **LoadStructures** set of type action

→ **MultiSeedCathColor** query and set of type ObjString

→ **PositionDefined** query and set of type bool

→ **SingleSeedCathColor** query and set of type ObjString

→ **StructureLoadControl** subobject of type RoiExpandControl

→ **StructureNameList** list of type SimpleString

→ **SynchronizeAllCatheters** set of type action

→ **Template** subobject of type BrachyTemplate

→ **TemplateName** query and set of type action

→ **XDimension** query and set of type int

→ **YDimension** query and set of type int

→ **ZDimension** query and set of type int

SeedGroup

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **CalibratedSource** subobject of type CalibratedSource

$\rightarrow$ **CopyCalibratedSource** set of type action

$\rightarrow$ **Description** query of type action

$\rightarrow$ **Display2d** query and set of type bool

$\rightarrow$ **Display3d** query and set of type bool

$\rightarrow$ **DisplayActiveLength** query and set of type bool

$\rightarrow$ **DisplayAsCylinder** query and set of type bool

$\rightarrow$ **DisplayDiameter** query and set of type float

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **HighlightColor** query and set of type ObjString

$\rightarrow$ **InnerColor** query and set of type ObjString

$\rightarrow$ **InstallIsotopeVersion** set of type action

$\rightarrow$ **Isotope** subobject of type Isotope

$\rightarrow$ **IsotopeName** query and set of type action

$\rightarrow$ **IsotopeNameAndVersion** query and set of type action

$\rightarrow$ **MatchingCalibratedSource** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **OuterColor** query and set of type ObjString

$\rightarrow$ **SeedList** query and set of type

$\rightarrow$ **UseDisplayDiameter** query and set of type bool

$\rightarrow$ **UseDisplayDiameterLabel** query and set of type bool

SegmentSorterManager

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **ComputeCompositeTravelDistance** set of type action

→ **Current** subobject of type BruteForceSorter

→ **CurrentCompositeTravelDistance** query of type float

→ **CurrentType** query and set of type string

→ **CurrentTypeIs** query of type bool

→ **CurrentWindowLayoutIndex** query and set of type int

→ **CurrentWindowLayoutIs** query of type bool

→ **CurrentWindowLayoutString** query and set of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **FinalCompositeTravelDistance** query of type float

→ **InitialCompositeTravelDistance** query of type float

→ **InstanceName** query of type string

→ **InterfaceCount** query of type int

→ **IsFiling** query of type bool

→ **LargestSegmentCount** query of type int

→ **LargestSegmentFirst** query and set of type bool

→ **SortAllBeams** set of type action

→ **SortBeam** set of type int

→ **SortCurrentBeam** set of type action

→ **TypeList** query of type StringList

→ **WindowTabList** query of type StringList

SharedLib

$\rightarrow$ **ClearErrorMessage** set of type action

$\rightarrow$ **Close** set of type action

$\rightarrow$ **ErrorMessage** query of type action

$\rightarrow$ **FileName** query and set of type action

$\rightarrow$ **Handle** query of type action

$\rightarrow$ **HasSymbol** query of type action

$\rightarrow$ **IsActivated** query of type action

$\rightarrow$ **ModificationDependency** query and set of type bool

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **Reload** set of type action

$\rightarrow$ **Symbol** query of type action

SiemensDynamicWedge

$\rightarrow$ **DefaultAngleType** query of type action

$\rightarrow$ **DisplayProfile** set of type action

$\rightarrow$ **FillTransmissionProfile** set of type action

$\rightarrow$ **HighMaxDoseRate** query and set of type float

$\rightarrow$ **HighMinDoseRate** query and set of type float

$\rightarrow$ **IsSiemensDynamicWedge** query of type action

$\rightarrow$ **LowMaxDoseRate** query and set of type float

$\rightarrow$ **LowMinDoseRate** query and set of type float

$\rightarrow$ **MaxJawSpeed** query and set of type float

$\rightarrow$ **MinJawSpeed** query and set of type float

$\rightarrow$ **ModificationDependency** query and set of type bool

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **ProfileValidity** query and set of type action

$\rightarrow$ **SiemensLinearAttenuation** query and set of type float

$\rightarrow$ **SiemensUserDefinedConstant** query and set of type float

$\rightarrow$ **UnitTesting** query and set of type bool

$\rightarrow$ **VirtualWedgeIsDeliverable** query of type action

SimpleLockFile

$\rightarrow$ **BinArchitectureDirectory** query and set of type ObjString

$\rightarrow$ **BinCommonDirectory** query and set of type ObjString

$\rightarrow$ **FileName** query and set of type ObjString

$\rightarrow$ **Host** query and set of type ObjString

$\rightarrow$ **IsLocked** query of type action

$\rightarrow$ **IsLockedNoWarning** query of type action

$\rightarrow$ **IsLockedWithTimeout** query of type action

$\rightarrow$ **IsStaleLock** query of type action

$\rightarrow$ **Lock** set of type action

$\rightarrow$ **LockMessage** query of type action

$\rightarrow$ **NotStaleWithTimeout** query of type action

$\rightarrow$ **PID** query and set of type int

$\rightarrow$ **Unlock** set of type action

$\rightarrow$ **User** query and set of type ObjString

SimpleString

   → **AppendString** set of type action

   → **Contains** query of type action

   → **Execute** set of type action

   → **Is** query of type action

   → **IsNull** query of type action

   → **Matches** query of type action

   → **Name** query and set of type ObjString

   → **String** query and set of type ObjString

   → **Value** query and set of type ObjString

SimplexOptimizer

$\rightarrow$ **Alpha** query and set of type float

$\rightarrow$ **Beta** query and set of type float

$\rightarrow$ **Function** query and set of type pointer

$\rightarrow$ **FunctionData** subobject of type BeamPoiWeightOptimizer

$\rightarrow$ **Gamma** query and set of type float

$\rightarrow$ **MaxIterations** query and set of type int

$\rightarrow$ **NumDimensions** query and set of type int

$\rightarrow$ **NumberOfRestarts** query and set of type int

$\rightarrow$ **SimplexScale** query and set of type float

$\rightarrow$ **SolutionTolerance** query and set of type float

$\rightarrow$ **UnitTest** set of type action

SiteResponseData

- → **AddResponse** set of type action
- → **BeginMessageBatch** set of type action
- → **ClassName** query of type string
- → **DeleteCurrentResponse** set of type action
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **Name** query and set of type string
- → **ResponseList** list of type BioResponse

SlidingWindowConverter

   → **AllowConversionWithFixedJaw** query and set of type bool

   → **BeginMessageBatch** set of type action

   → **Cancel** set of type action

   → **CancelConversion** query and set of type bool

   → **ClassName** query of type string

   → **ClearUnitTestData** set of type action

   → **ComputeEffectiveODM** set of type int

   → **ComputeEffectiveODMCurrentBeam** set of type action

   → **ComputeODMDifference** query and set of type bool

   → **ConvertAllBeams** set of type action

   → **ConvertBeam** set of type int

   → **Converting** query of type bool

   → **CorrectForRoundedLeafEnds** query and set of type bool

   → **Destroy** set of type action

   → **DoseRate** set of type float

   → **EndLeavesSimultaneously** query and set of type bool

   → **EndMessageBatch** set of type action

   → **Existence** query of type bool

   → **FilterODM** query and set of type bool

   → **InstanceName** query of type string

   → **IsFiling** query of type bool

   → **IsNewer** query of type bool

   → **KernelSize** query and set of type int

   → **LeafJawOverlap** query and set of type

   → **MUTrimmingAbsoluteDiffLimit** query and set of type float

   → **MUTrimmingMaximumIterationCount** query and set of type int

   → **MUTrimmingPercentDiffLimit** query and set of type float

   → **MaxLeafSpeed** set of type float

   → **MaxNumberOfControlPoints** query and set of type int

   → **MaximizeControlPointCount** query and set of type bool

   → **OutputUnitTestResults** set of type action

   → **PluginName** query of type string

   → **Revision** query of type string

   → **Run** set of type action

   → **StopConversion** set of type action

   → **TrialList** list of type DCITrial

   → **UnitTestMode** query and set of type bool

StatMoments

→ **AddPoint** set of type action

→ **BroadcastChange** set of type action

→ **Clear** set of type action

→ **MeanSquaredValue** query of type action

→ **MeanValue** query of type action

→ **StdDev** query of type action

→ **SumOfRawWeights** query and set of type double

→ **SumOfWeightedRawValues** query and set of type double

→ **SumOfWeightedRawValuesSquared** query and set of type double

→ **TotalWeight** query of type double

→ **Variance** query of type action

StepAndShootConverter

- → **ActualError** query of type float
- → **ActualLevels** query of type int
- → **AllClosedLeafPairsOnSameSide** query and set of type bool
- → **BeginMessageBatch** set of type action
- → **Cancel** set of type action
- → **CancelConversion** query and set of type bool
- → **ClassName** query of type string
- → **ClearUnitTestData** set of type action
- → **ComputeEffectiveODM** set of type int
- → **ComputeEffectiveODMCurrentBeam** set of type action
- → **ComputeODMDifference** query and set of type bool
- → **ConvertAllBeams** set of type action
- → **ConvertBeam** set of type int
- → **Converting** query of type bool
- → **CorrectForRoundedLeafEnds** query and set of type bool
- → **Destroy** set of type action
- → **EndMessageBatch** set of type action
- → **Existence** query of type bool
- → **FilterODM** query and set of type bool
- → **FluenceImportanceFactor** query and set of type float
- → **GradientImportanceFactor** query and set of type float
- → **HeadScatterCorrectionPixelSize** query and set of type float
- → **InstanceName** query of type string
- → **IsFiling** query of type bool
- → **IsNewer** query of type bool
- → **KernelSize** query and set of type int
- → **LeafJawOverlap** query and set of type
- → **Levels** query and set of type int
- → **Minimize** query and set of type string
- → **MinimizeList** query of type StringList
- → **MinimumMUSetting** query and set of type float
- → **MinimumOpenArea** query and set of type float
- → **OutputUnitTestResults** set of type action
- → **PluginName** query of type string
- → **Revision** query of type string
- → **Run** set of type action
- → **SegmentWeightOptimization** query and set of type bool
- → **SortSegmentsAfterConversion** query and set of type bool
- → **StopConversion** set of type action
- → **Tolerance** query and set of type float
- → **TrialList** list of type DCITrial

$\rightarrow$ **UnitTestMode** query and set of type bool

$\rightarrow$ **UseSimplexOptimization** query and set of type bool

StereoCollimatorData

$\rightarrow$ **BackScatterFactor** query and set of type float

$\rightarrow$ **CollimatorDiameter** query and set of type float

$\rightarrow$ **CollimatorName** query and set of type ObjString

$\rightarrow$ **CollimatorObject** query and set of type pointer

$\rightarrow$ **DiFileChecksum** query and set of type ObjString

$\rightarrow$ **Diameter** query and set of type float

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **PencilFileChecksum** query and set of type ObjString

$\rightarrow$ **RelativeOutputFactor** query and set of type float

$\rightarrow$ **ResetChecksums** set of type action

$\rightarrow$ **StereoPhysicsDataObject** subobject of type String

$\rightarrow$ **TARFileChecksum** query and set of type ObjString

StereoFrame

$\rightarrow$ **AngioFrame** subobject of type AngioFrame

$\rightarrow$ **DefaultRodSearchThreshold** query and set of type float

$\rightarrow$ **DefaultTopRowForRodSearch** query and set of type int

$\rightarrow$ **FrameBaseCoordinate** query and set of type float

$\rightarrow$ **FrameHeight** query and set of type float

$\rightarrow$ **FrameRodAngleInDegrees** query and set of type float

$\rightarrow$ **FrameType** query of type ObjString set of type action

$\rightarrow$ **IsNFrame** query of type action

$\rightarrow$ **IsVFrame** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NumberOfRods** query of type int set of type action

$\rightarrow$ **PatientInferiorIsPositiveZ** query and set of type bool

$\rightarrow$ **PatientPosteriorIsPositiveY** query and set of type bool

$\rightarrow$ **PatientRightIsPositiveX** query and set of type bool

$\rightarrow$ **Rods** list of type StereoRod

$\rightarrow$ **Side1SlantTowardLowerRod** query and set of type bool

$\rightarrow$ **Side2SlantTowardLowerRod** query and set of type bool

$\rightarrow$ **Side3SlantTowardLowerRod** query and set of type bool

$\rightarrow$ **Side4SlantTowardLowerRod** query and set of type bool

$\rightarrow$ **TopLeftRodIndex** query and set of type int

$\rightarrow$ **TopRightRodIndex** query and set of type int

$\rightarrow$ **Units** query and set of type EnumeratedList with labels

$\rightarrow$ **UnitsList** query and set of type StringList

$\rightarrow$ **XCoordLabel** query and set of type ObjString

$\rightarrow$ **YCoordLabel** query and set of type ObjString

$\rightarrow$ **ZCoordLabel** query and set of type ObjString

StereoLocalizer

→ **AddDependency** set of type action

→ **AngioLocalizer** subobject of type AngioLocalizer

→ **AutoFindAllSlices** set of type action

→ **BeginMessageBatch** query and set of type bool

→ **Color** query and set of type ObjString

→ **ComputingTransformationsOnAllSlicesMessage** query of type action

→ **Description** query of type action

→ **DisplayMode** query and set of type ObjString

→ **DisplayPOI** subobject of type Poi

→ **EndMessageBatch** query and set of type bool

→ **FindAllRodCenters** set of type action

→ **FindCurrentRodCenter** set of type action

→ **FindingRodsOnAllSlicesMessage** query of type action

→ **FinishPosition** set of type action

→ **FrameIsRemoved** query and set of type bool

→ **GetTransformFromLocalizer** set of type action

→ **GetTransformToLocalizer** set of type action

→ **IsValidForLocalizing** query of type action

→ **Name** query of type action

→ **PerformAutoFind** set of type action

→ **RemoveDependency** set of type action

→ **RemoveFrame** set of type action

→ **RestoreFrame** set of type action

→ **SetReferencePoint** set of type action

→ **SliceDataList** list of type StereoSliceData

→ **StartPosition** set of type action

→ **StereoFrame** subobject of type StereoFrame

→ **StereoFrameName** query and set of type action

→ **TrackPosition** set of type action

→ **TransformFromLocalizer** set of type action

→ **TransformToLocalizer** set of type action

→ **TransformVectorFromLocalizer** set of type action

→ **TransformVectorToLocalizer** set of type action

→ **Units** query of type action

→ **Volume** subobject of type Volume

→ **VolumeName** query and set of type action

→ **XCoordLabel** query of type action

→ **YCoordLabel** query of type action

→ **ZCoordLabel** query of type action

StereoPhysicsData

$\rightarrow$ **BackScatterFactor10x10** query and set of type float

$\rightarrow$ **DepthBinCount** query and set of type int

$\rightarrow$ **DepthBinWidth** query and set of type float

$\rightarrow$ **DosePerMuInAir10x10** query and set of type float

$\rightarrow$ **InterpolateCurrentBSF** set of type action

$\rightarrow$ **InvalidateDoseProfiles** set of type action

$\rightarrow$ **LowerSSD** query and set of type float

$\rightarrow$ **MeasureGeometryList** list of type MeasureGeometry

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **RadiiPerTable** query and set of type int

$\rightarrow$ **RadiusBinCount** query and set of type int

$\rightarrow$ **RadiusBinWidth** query and set of type float

$\rightarrow$ **SetCollimatorList** set of type action

$\rightarrow$ **StereoCollimatorDataList** list of type StereoCollimatorData

$\rightarrow$ **UpperSSD** query and set of type float

StereoRod

→ **Color** query and set of type ObjString

→ **Diameter** query and set of type float

→ **Name** query and set of type ObjString

→ **XCoordinate** query and set of type float

→ **YCoordinate** query and set of type float

StereoSliceData

$\rightarrow$ **ComputeTransformation** set of type action

$\rightarrow$ **Description** query of type action

$\rightarrow$ **ErrorEstimate** query and set of type float

$\rightarrow$ **ErrorLimit** query and set of type float

$\rightarrow$ **FinishRodRepositioning** set of type action

$\rightarrow$ **FrameToWorld** subobject of type Transform

$\rightarrow$ **InitializeToPosition** set of type action

$\rightarrow$ **MoveCurrentRodToPosition** set of type action

$\rightarrow$ **PointStorageDone** query and set of type action

$\rightarrow$ **PointStorageForPersistence** query of type action

$\rightarrow$ **RodPositionList** list of type Poi

$\rightarrow$ **RodSearchThreshold** query and set of type float

$\rightarrow$ **SearchMinPoints** query and set of type int

$\rightarrow$ **SearchSpiralLength** query and set of type int

$\rightarrow$ **SelectRodFromPosition** set of type action

$\rightarrow$ **SliceCoordinate** query and set of type float

$\rightarrow$ **StatusMessage** query and set of type ObjString

$\rightarrow$ **StereoFrame** query and set of type

$\rightarrow$ **StereoFrameObject** query of type pointer set of type action

$\rightarrow$ **TopRowForRodSearch** query and set of type int

$\rightarrow$ **TransformationValid** query and set of type bool

$\rightarrow$ **WorldToFrame** subobject of type Transform

StringKeyDict

$\rightarrow$ **At** query and set of type action

$\rightarrow$ **DestroyObjectsOnFree** set of type action

$\rightarrow$ **FloatAt** query and set of type action

$\rightarrow$ **FreeAt** query and set of type action

$\rightarrow$ **ModificationDependency** query of type action

$\rightarrow$ **NumRows** query of type action

$\rightarrow$ **PersistenceList** query and set of type action

$\rightarrow$ **RemoveAt** query and set of type action

$\rightarrow$ **RowHeader** query of type action

$\rightarrow$ **StringAt** query and set of type action

$\rightarrow$ **Value** query and set of type action

SurfaceMesh

→ **AdaptationType** query and set of type EnumeratedList with labels

→ **AdaptationTypeIndex** query and set of type int

→ **AdaptationTypeList** query and set of type StringList

→ **AllocateDeformedVertices** set of type action

→ **AllowAdaptation** query and set of type bool

→ **AutoCleanContours** query and set of type bool

→ **AutoSmoothMesh** query and set of type bool

→ **AvoidROIName** query and set of type ObjString

→ **BeginMessageBatch** set of type action

→ **BufferMesh** set of type action

→ **CenterX** query and set of type float

→ **CenterY** query and set of type float

→ **CenterZ** query and set of type float

→ **CleanMesh** set of type action

→ **ComputeCenter** set of type action

→ **CopyMeshToOrganModel** set of type action

→ **CopyMeshToOrganModelNoWarning** set of type action

→ **CopyOrganModelToMesh** set of type action

→ **DefaultDeformWeight** query and set of type float

→ **DeformWeight** query and set of type float

→ **DeformedCount** query and set of type int

→ **DistanceWeight** query and set of type float

→ **EndMessageBatch** set of type action

→ **FeatureDetector** subobject of type FeatureDetector

→ **FeatureWeight** query and set of type

→ **FinishPencil** set of type action

→ **FreeMesh** set of type action

→ **GaussianToolRadius** query and set of type float

→ **InternalWeight** query and set of type float

→ **IsValid** query of type action

→ **Magnify** set of type action

→ **MagnifyIncrement** query and set of type float

→ **MaxIterations** query and set of type int

→ **MeanMeshSamples** query and set of type action

→ **MergeTriMeshWithMeanMesh** set of type action

→ **NumberOfMeanMeshTriangles** query of type action

→ **NumberOfMeanMeshVertices** query of type action

→ **NumberOfModes** query and set of type int

→ **NumberOfTriangles** query and set of type int

→ **NumberOfVertices** query and set of type int

→ **OKToUndo** query and set of type bool

- → **Orient** set of type action
- → **Parent** subobject of type RegionOfInterest
- → **PixelSize** query and set of type
- → **PreparePencil** set of type action
- → **ProfileLength** query and set of type
- → **PullPencilInPlaneCapture** query and set of type float
- → **PullPencilToPlaneCapture** query and set of type float
- → **RepairBetweenIterations** query and set of type bool
- → **RepairOverlap** set of type action
- → **ReplaceMeanMesh** query and set of type bool
- → **Rotate** set of type action
- → **RotationIncrement** query and set of type float
- → **SmoothBetweenIterations** query and set of type bool
- → **SmoothIterations** query and set of type int
- → **SmoothMeanMesh** set of type action
- → **SmoothMesh** set of type action
- → **SphereToolRadius** query and set of type float
- → **SurfaceWeight** query and set of type float
- → **TrackDeformedVertices** query and set of type bool
- → **TranslateCM** set of type action
- → **TranslateIncrementCM** query and set of type float
- → **Undo** set of type action
- → **UnsetDeformVertices** set of type action
- → **UserDistanceWeight** query and set of type action
- → **UserInternalWeight** query and set of type action
- → **VertexDragCurvature** query and set of type float
- → **VertexDragNeighborLayers** query and set of type int
- → **WorldCenterX** query and set of type action
- → **WorldCenterY** query and set of type action
- → **WorldCenterZ** query and set of type action
- → **XDisplayOffset** query of type action
- → **YDisplayOffset** query of type action
- → **ZDisplayOffset** query of type action
- → **ZeroSampleStop** query and set of type

SyntegraPreferences

→ **Apply** set of type action

→ **ApplyVolumeDisplayPrefs** set of type action

→ **AutoregistrationAlgorithm** query and set of type ObjString

→ **InitialViewLayout** query and set of type EnumeratedList with labels

→ **MoveSecCenterToPrimaryCenter** query and set of type bool

→ **PrimaryColor2d** query and set of type ObjString

→ **PrimaryColorRampFunc** query and set of type ObjString

→ **PrimaryLevel** query and set of type float

→ **PrimaryWinLevelUnits** query and set of type ObjString

→ **PrimaryWindow** query and set of type float

→ **SecondaryColor2d** query and set of type ObjString

→ **SecondaryColorRampFunc** query and set of type ObjString

→ **SecondaryLevel** query and set of type float

→ **SecondaryWinLevelUnits** query and set of type ObjString

→ **SecondaryWindow** query and set of type float

TPBDoseCalculator

- → **AccumulateDoseDifference** query and set of type bool
- → **BuildRaysOnly** query and set of type bool
- → **DataErrorMessage** query of type action
- → **FreeRayList** set of type action
- → **InitialRayRelevanceValue** query and set of type bool
- → **IsTPBDoseCalculator** query of type action
- → **IsValidTPBData** query of type action
- → **MaxTransmission** query and set of type float
- → **ModificationDependency** query and set of type bool
- → **PhotonDoseNorm** query and set of type float
- → **StoreDoseOnly** query and set of type bool
- → **TPBKernelValid** query and set of type bool
- → **TPBRayList** list of type TPBRay
- → **TPBRayListStoreDose** query and set of type bool
- → **TPBRayListValid** query and set of type bool
- → **XDimension** query and set of type int
- → **XStart** query and set of type float
- → **YDimension** query and set of type int
- → **YStart** query and set of type float

TPBDoseEngine

→ **BeginMessageBatch** set of type action

→ **Cancel** set of type action

→ **ClassName** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **PluginName** query of type string

→ **Revision** query of type string

→ **Run** set of type action

→ **UnitTestMode** query and set of type bool

TPBKernel

    $\rightarrow$ **AllocateKernelData** set of type action

    $\rightarrow$ **CenteredOnCAX** query and set of type bool

    $\rightarrow$ **DataErrorMessage** query of type action

    $\rightarrow$ **DepthResolution** query and set of type float

    $\rightarrow$ **FilterTPBKernel** set of type action

    $\rightarrow$ **IsTPBKernel** query of type action

    $\rightarrow$ **IsValidTPBData** query of type action

    $\rightarrow$ **KernelInMemory** query and set of type bool

    $\rightarrow$ **KernelIsCached** query and set of type bool

    $\rightarrow$ **MaxDepth** query and set of type float

    $\rightarrow$ **ModificationDependency** query and set of type bool

    $\rightarrow$ **Name** query and set of type ObjString

    $\rightarrow$ **RadAzimLookupCount** query and set of type int

    $\rightarrow$ **RadialCutoff** query and set of type float

    $\rightarrow$ **RelevantKeeperThreshold** query and set of type float

    $\rightarrow$ **RelevantThreshold** query and set of type float

    $\rightarrow$ **ScaleTPBKernel** set of type action

    $\rightarrow$ **TPBKernelData** subobject of type FloatBinNd

    $\rightarrow$ **TPBPixelResolutionX** query and set of type float

    $\rightarrow$ **TPBPixelResolutionY** query and set of type float

    $\rightarrow$ **TermaStepZ** query and set of type float

    $\rightarrow$ **TermaStepsX** query and set of type int

    $\rightarrow$ **TermaStepsY** query and set of type int

    $\rightarrow$ **ThresholdCutoff** query and set of type float

    $\rightarrow$ **WriteKernelData** set of type action

    $\rightarrow$ **WriteKernelDataAtRes** set of type action

    $\rightarrow$ **WriteTPBKernel** set of type action

TPBRay

- → **AccumulateRayDose** set of type action
- → **AllocateTPBRayData** set of type action
- → **CurrentIncidentFluence** query and set of type float
- → **CurrentTransmission** query and set of type float
- → **DataErrorMessage** query of type action
- → **FreeStaticDoseVolumes** set of type action
- → **IncidentFluence** query and set of type float
- → **IsTPBRay** query of type action
- → **IsValidTPBData** query of type action
- → **ModificationDependency** query and set of type bool
- → **NumberOfSteps** query and set of type int
- → **TPBRayDoseListStored** query and set of type bool
- → **TPBSSD** query and set of type float
- → **TPBStepLength** query and set of type float
- → **Transmission** query and set of type float

TemporalObject

→ **AssociatedImageSetName** query of type string

→ **BeginMessageBatch** set of type action

→ **ClassName** query of type string

→ **Description** query of type string

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **TimeStamp** query of type string

Test

$\rightarrow$ **CatchAllWarnings** query and set of type bool

$\rightarrow$ **CatchAskYesNo** query and set of type bool

$\rightarrow$ **CatchWarning** query and set of type bool

$\rightarrow$ **ClearExpectedAskYesNo** set of type action

$\rightarrow$ **ClearExpectedWarningMessage** set of type action

$\rightarrow$ **ExpectAskYesNo** set of type action

$\rightarrow$ **ExpectWarningMessage** set of type action

$\rightarrow$ **ExpectedAskYesNo** query and set of type ObjString

$\rightarrow$ **ExpectedAskYesNoReply** query and set of type int

$\rightarrow$ **ExpectedWarning** query and set of type ObjString

$\rightarrow$ **LogFileName** query and set of type action

$\rightarrow$ **LogTest** set of type action

$\rightarrow$ **LogTestFail** set of type action

$\rightarrow$ **LogTestPass** set of type action

$\rightarrow$ **NewUTObject** set of type action

$\rightarrow$ **PopulateTreeWithBoolean** set of type action

$\rightarrow$ **PopulateTreeWithFloat** set of type action

$\rightarrow$ **UTObject** subobject of type GeoObject

ThickSliceDisplay

    $\rightarrow$ **ObliqueStepSize** query and set of type float

    $\rightarrow$ **Thickness** query of type float set of type action

    $\rightarrow$ **XValid** query of type action

    $\rightarrow$ **YValid** query of type action

    $\rightarrow$ **ZValid** query of type action

ThickSliceDisplay

Time

$\rightarrow$ **CTime** query of type action

$\rightarrow$ **DayLightSavingsTimeInEffect** query and set of type action

$\rightarrow$ **DayOfMonth** query and set of type int

$\rightarrow$ **DayOfWeek** query and set of type int

$\rightarrow$ **DayOfYear** query and set of type int

$\rightarrow$ **Hours** query and set of type int

$\rightarrow$ **ISODate** query and set of type action

$\rightarrow$ **ISODateAndTime** query and set of type action

$\rightarrow$ **ISODateAndTimeString** query and set of type action

$\rightarrow$ **Minutes** query and set of type int

$\rightarrow$ **Month** query and set of type action

$\rightarrow$ **Seconds** query and set of type int

$\rightarrow$ **UTC_ISODateAndTimeString** query and set of type action

$\rightarrow$ **Year** query and set of type action

TimeDifference

   $\rightarrow$ **Difference** query of type action

   $\rightarrow$ **DifferenceInDays** query of type action

   $\rightarrow$ **Time1** subobject of type Time

   $\rightarrow$ **Time2** subobject of type Time

TolTable

→ **Name** query and set of type ObjString

→ **Number** query and set of type action

→ **UniqueNumber** query and set of type action

Transform

    → **ApplyTransform** set of type action

    → **ApplyTransformFromObject** set of type action

    → **Data** subobject of type CurveNd

    → **GetTransform** set of type action

    → **RotateX** set of type action

    → **RotateY** set of type action

    → **RotateZ** set of type action

    → **SetScaling** set of type action

    → **SetToUnit** set of type action

    → **SetTransform** set of type action

    → **SetTransformFromObject** set of type action

    → **SetTranslation** set of type action

    → **TransformPoint** set of type action

    → **TransformUnitVector** set of type action

TransformOptimizer

- $\rightarrow$ **CenterX** query and set of type float
- $\rightarrow$ **CenterY** query and set of type float
- $\rightarrow$ **CenterZ** query and set of type float
- $\rightarrow$ **CostFunction** query and set of type pointer
- $\rightarrow$ **CostObject** query and set of type pointer
- $\rightarrow$ **NumberOfFunctionEvaluations** query and set of type int
- $\rightarrow$ **OutOfRangeCostSlope** query and set of type float
- $\rightarrow$ **RotationLimit** query and set of type float
- $\rightarrow$ **RotationScale** query and set of type float
- $\rightarrow$ **SimplexOptimizer** subobject of type SimplexOptimizer
- $\rightarrow$ **TranslationLimit** query and set of type float
- $\rightarrow$ **TranslationScale** query and set of type float
- $\rightarrow$ **UnitTest** set of type action
- $\rightarrow$ **XRotate** query and set of type float
- $\rightarrow$ **XTranslate** query and set of type float
- $\rightarrow$ **YRotate** query and set of type float
- $\rightarrow$ **YTranslate** query and set of type float
- $\rightarrow$ **ZRotate** query and set of type float
- $\rightarrow$ **ZTranslate** query and set of type float

TreeListWindow

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Button1Action** query and set of type string

$\rightarrow$ **Button1Label** query and set of type string

$\rightarrow$ **Button2Action** query and set of type string

$\rightarrow$ **Button2Label** query and set of type string

$\rightarrow$ **Button3Action** query and set of type string

$\rightarrow$ **Button3Label** query and set of type string

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Description** query and set of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **Print** set of type action

$\rightarrow$ **RealizeWindow** set of type action

$\rightarrow$ **TreeList** list of type SimpleString

$\rightarrow$ **WindowTitle** query and set of type string

Trial

→ **AddEPIDDose** set of type action

→ **AddEPIDDoseForAllBeams** set of type action

→ **AddOtherGrids** query and set of type bool

→ **AddPlanarDose** set of type action

→ **AddPlanarDoseForAllBeams** set of type action

→ **AddPrescription** set of type action

→ **AddQABeam** set of type action

→ **AllBeamCPWeightsValid** query of type action

→ **AllBeamsHaveSameBoliConfig** query of type action

→ **AllBeamsHaveValidAbsoluteDose** query of type action

→ **AllBeamsHaveValidDose** query of type action

→ **AllBeamsHaveValidSSD** query of type action

→ **AlwaysDisplay2dCouchPosition** query and set of type bool

→ **AlwaysDisplay3dCouchPosition** query and set of type bool

→ **AnyBeamsHaveValidDose** query of type action

→ **AtLeastOneBeamDynamicArc** query of type action

→ **AtLeastOnePrevBeamDynamicArc** query of type action

→ **AutoCoverPatient** set of type action

→ **AutoCoverROI** set of type action

→ **AutoCoverSlices** set of type action

→ **BeamForWindowID** query of type action

→ **BeamList** list of type Beam

→ **BeamListHaveSameBottomJawLabels** query of type action

→ **BeamListHaveSameLeftJawLabels** query of type action

→ **BeamListHaveSameLeftRightLabels** query of type action

→ **BeamListHaveSameRightJawLabels** query of type action

→ **BeamListHaveSameTopBottomLabels** query of type action

→ **BeamListHaveSameTopJawLabels** query of type action

→ **BeamPageSelection** query and set of type EnumeratedList with labels

→ **BeamPoiWeightOptimizer** subobject of type BeamPoiWeightOptimizer

→ **BeamPrescriptionChange** set of type action

→ **BeamWeightChange** set of type action

→ **BeginMessageBatch** set of type action

→ **BrachyDose** query and set of type action

→ **BrachyDoseComputationVersion** query and set of type ObjString

→ **BrachyImplantDateAndTime** subobject of type Time

→ **BrachyImplantDuration** query and set of type float

→ **BrachyImplantDurationDescription** query of type action

→ **BrachyImplantDurationUnits** query and set of type EnumeratedList with labels

→ **BrachyManager** subobject of type BrachyManager

→ **BrachyPrescriptionDescription** query of type action

$\rightarrow$ **BrachyPrescriptionMethod** query and set of type EnumeratedList with labels

$\rightarrow$ **CTScanner** query and set of type ObjString

$\rightarrow$ **CTScannerSelection** set of type action

$\rightarrow$ **CalledFromDICOMRTExport** query and set of type bool

$\rightarrow$ **CanMachineDataModelWindowDismiss** query and set of type bool

$\rightarrow$ **CenterOpposedBeams** set of type action

$\rightarrow$ **ChangeShiftDirection** query and set of type EnumeratedList with labels

$\rightarrow$ **CheckCtToDensityExtension** query and set of type bool

$\rightarrow$ **Colorwash** set of type action

$\rightarrow$ **ComputeDose** set of type action

$\rightarrow$ **ComputeEPIDImage** set of type action

$\rightarrow$ **ComputeICF** set of type action

$\rightarrow$ **ComputeIrregPoints** set of type action

$\rightarrow$ **ComputeMCDose** set of type action

$\rightarrow$ **ComputePlanarDose** set of type action

$\rightarrow$ **ComputeRelativeDose** query of type bool set of type action

$\rightarrow$ **ComputeSeedDose** set of type action

$\rightarrow$ **ComputeStandaloneDose** set of type action

$\rightarrow$ **ComputeTrialDose** set of type action

$\rightarrow$ **ComputeUncomputedBeams** set of type action

$\rightarrow$ **ComputingPointsMessage** query of type action

$\rightarrow$ **ConfirmDoseChange** query of type action

$\rightarrow$ **ConfirmUnlockWeights** query of type action

$\rightarrow$ **ConfirmUnlockWeightsAndCheckDose** query of type action

$\rightarrow$ **CoordRefPoint** subobject of type Poi

$\rightarrow$ **CopyPatientVolumeToDoseGrid** set of type action

$\rightarrow$ **CopySource** query and set of type pointer

$\rightarrow$ **CouchDisplayColor** query and set of type ObjString

$\rightarrow$ **CouchRemovalDisplayYCoordinate** query and set of type float

$\rightarrow$ **CouchRemovalYCoordinate** query of type float set of type action

$\rightarrow$ **CourseID** query and set of type action

$\rightarrow$ **CreateDummyDose** set of type action

$\rightarrow$ **CreateRefPointTransform** set of type action

$\rightarrow$ **CtToDensityName** query and set of type

$\rightarrow$ **CtToDensityVersion** query and set of type

$\rightarrow$ **CtToStoppingPowerTableName** query and set of type

$\rightarrow$ **CtToStoppingPowerVersion** query and set of type

$\rightarrow$ **DRRHelper** query and set of type

$\rightarrow$ **DensityBottomZPadding** query and set of type

$\rightarrow$ **DensityTopZPadding** query and set of type

$\rightarrow$ **DepthGrid** subobject of type Volume

$\rightarrow$ **Display2dCouchPosition** query and set of type bool

- → **Display3dCouchPosition** query and set of type bool
- → **DisplayAir** query and set of type bool
- → **DisplayAllowJawMotionLabel** query of type action
- → **DisplayPrevAllowJawMotionLabel** query of type action
- → **DisplayPrevSplitBeamsLabel** query of type action
- → **DisplayPrimaryVOI** query and set of type bool
- → **DisplaySplitBeamsLabel** query of type action
- → **DisplayState** query and set of type EnumeratedList with labels
- → **DoseChangeNode** query of type action
- → **DoseDisplayValid** query and set of type bool
- → **DoseEndSlice** query and set of type int
- → **DoseErrorMessage** query of type action
- → **DoseGrid** subobject of type Volume
- → **DoseInvalidWhileFiling** query and set of type bool
- → **DoseIsValid** query of type bool
- → **DoseObjective** query and set of type action
- → **DoseOptimizer** query and set of type action
- → **DoseStartSlice** query and set of type int
- → **DoseStatusChange** set of type action
- → **DrawCatheterDependencies** query of type action
- → **DrawCatheterImageValues** query and set of type action
- → **DrawCatheterRoiIntersection** query and set of type action
- → **DrawCatheterSegmentsAndSeeds** query of type action
- → **EPIDDensity** subobject of type EPIDDensity
- → **EPIDDoseList** list of type EPIDDose
- → **EndMessageBatch** set of type action
- → **ExportActualCPDoseForDynamicArcs** query and set of type bool
- → **ExportPlanarDoseAscii** query and set of type bool
- → **FluenceGrid** subobject of type Volume
- → **FluenceGridMatchesDoseGrid** query and set of type bool
- → **FluenceGridResolution** query and set of type float
- → **FluenceValid** query of type bool
- → **HasBeamsOrSources** query of type action
- → **HasCArmPlan** query of type action
- → **HasDose** query and set of type bool
- → **HasLockedWeights** query of type action
- → **IncludesObject** query of type action
- → **InitializeForProstatePrePlan** set of type action
- → **InvalidDoseText** query of type action
- → **InvalidateDose** set of type action
- → **InvalidatePlanarDose** set of type action
- → **IsOkForExport** query of type action

- → **IsocenterList** list of type Poi

- → **IsodoseNormPoint** query and set of type

- → **IsodoseNormPointDose** query and set of type float

- → **IsodoseNormPointName** query and set of type action

- → **IsodoseNormPointStatus** query and set of type ObjString

- → **LaserLocalizer** subobject of type LaserLocalizer

- → **LaserLocalizerInUseAndComputed** query of type action

- → **LaserOutput** set of type action

- → **LastRelativeDoseReferenceField** query and set of type ObjString

- → **LocalizerList** list of type LaserLocalizer

- → **MCGlobalUncertaintyType** query and set of type ObjString

- → **MCMaxSeconds** query and set of type float

- → **MCProfileCancel** set of type action

- → **MCStatisticsThreshold** query and set of type float

- → **MCUncertaintyGoal** query and set of type float

- → **MLCCloseLeafType** query and set of type EnumeratedList with labels

- → **MLCExport** subobject of type MLCExport

- → **MUInvalidForTrials** query of type action

- → **MakeAllCPWeightsProportional** set of type action

- → **MatchBeam1** query and set of type ObjString

- → **MatchBeam2** query and set of type ObjString

- → **MatchOpposedBeams** set of type action

- → **MaxDoseForSeeds** query and set of type

- → **MaxDosePoint** subobject of type Poi

- → **MaxDosePointDisplayOn** query and set of type action

- → **MaxDosePointIsInDisplayList** query of type bool

- → **MaxDosePointIsValid** query of type bool

- → **MaxTableCtValue** query of type action

- → **MaximumDoseForSeeds** query and set of type float

- → **MessageBatch** query of type bool

- → **MonitorUnitStatus** query and set of type ObjString

- → **MultipleMachineCheck** set of type action

- → **MultipleMachines** query and set of type bool

- → **Name** query and set of type ObjString

- → **NegativeVoxelMsgDisplay** query of type action

- → **NumberOfMUApproximateBeams** query of type action

- → **ObjectVersion** subobject of type ObjectVersion

- → **OptimizeCompensator** set of type action

- → **OutputAllPlanarDose** set of type action

- → **OutputCurrentPlanarDose** set of type action

- → **OutsidePatientAirThreshold** query and set of type

- → **OutsidePatientIsCtNumber** query and set of type

→ **Parent** subobject of type Record

→ **ParentIsRecord** query of type action

→ **PatientRepresentation** subobject of type PatientRepresentation

→ **PatientVolume** query and set of type

→ **PhysicsPlan** query and set of type action

→ **PlanEvalDRR** set of type action

→ **PlanEvalDRRSetup** set of type action

→ **PlanEvalDRRSetup_DICOMRT** set of type action

→ **PlanarDoseList** list of type DosePlane

→ **PrescriptionChange** set of type action

→ **PrescriptionList** list of type Prescription

→ **PrimaryVOI** subobject of type BoundingBox

→ **PrintBrachyByCatheter** query and set of type bool

→ **PrintBrachyByGroup** query and set of type bool

→ **PrintIMRTSummary** query and set of type bool

→ **PrintIrregReport** set of type action

→ **PrintMLC** query and set of type bool

→ **PrintMLCIrreg** query and set of type bool

→ **PrintPois** query and set of type bool

→ **PrintRois** query and set of type bool

→ **PrintSubbeams** query and set of type bool

→ **ProfileCancel** query and set of type bool

→ **ProfileComputationStatus** query and set of type ObjString

→ **ProfileCount** query and set of type int

→ **ProfileIndex** query and set of type int

→ **ProfileIsComputing** query and set of type bool

→ **ProfilePercentDone** query and set of type int

→ **ProtonDoseInvalidWhileFiling** query and set of type bool

→ **PushInFieldClosedLeafPairsBehindJaws** set of type action

→ **QABeamList** list of type Beam

→ **ROICoverageMarginInCm** query and set of type float

→ **ReLabelMaxDosePoint** set of type action

→ **RecomputeDensity** query and set of type action

→ **RecomputeHighResDensity** set of type action

→ **RecomputeIsocenterList** set of type action

→ **RecomputeSeedDoseContinuously** query and set of type bool

→ **RecordDoseData** query and set of type action

→ **RelativeDoseComputationStatus** query and set of type ObjString

→ **RelativeDoseNormPoint** query and set of type

→ **RelativeDoseNormPointName** query and set of type action

→ **RelativeDoseNormValid** query and set of type bool

→ **RelativeDoseNormValue** query and set of type float

- → **RelativeDoseReferenceField** query and set of type

- → **RelativeDoseReferenceFieldName** query and set of type action

- → **RelyOnList** query and set of type

- → **RemoveCouchFromScan** query of type bool set of type action

- → **RemoveCurrentPrescription** set of type action

- → **Report** set of type action

- → **ReportType** query and set of type EnumeratedList with labels

- → **RotateOMPRWindowId** query and set of type int

- → **SSDChangeNode** query of type action

- → **ScanditronixOutputFile** query and set of type ObjString

- → **ScreenToPrinterZoomFactor** query and set of type float

- → **SeedDoseInvalid** set of type action

- → **SeedDoseIsInGrid** query of type action

- → **SeedDoseValid** query and set of type bool

- → **SeedList** query and set of type

- → **SeriesDescription** query and set of type ObjString

- → **SeriesNumber** query and set of type int

- → **SetAllBeamMonitorUnits** set of type action

- → **SetAllBeamMonitorUnitsNoPresc** set of type action

- → **SetBeamMonitorUnits** set of type action

- → **SetCurrentBeamByWindowId** set of type action

- → **SetupBeamIsocenterName** query and set of type ObjString

- → **SetupBeamMachineName** query and set of type ObjString

- → **ShowBeamDoseDifference** set of type action

- → **ShowPatAirThreshold** set of type action

- → **ShowTrialDoseDifference** set of type action

- → **ShowTrialDoseSum** set of type action

- → **SourceList** query and set of type

- → **SourceToFilmDistance** query and set of type float

- → **StereoLocalizerInUseAndComputed** query of type action

- → **StereoLocalizerList** list of type StereoLocalizer

- → **SumDoseGrids** set of type action

- → **SuppressDVHComputation** query of type bool set of type action

- → **SuppressDoseGridSumming** query and set of type bool

- → **TPBDoseToolPercentChange** query and set of type float

- → **ToleranceTable** query and set of type int

- → **TransFromRefPoint** subobject of type Transform

- → **TransToRefPoint** subobject of type Transform

- → **TransformFromRefPoint** set of type action

- → **TransformToRefPoint** set of type action

- → **TrialOrRecordName** query of type action

- → **TrialTagName** query of type action

→ **TrialUsedForDoseDisplayOnly** query and set of type bool

→ **UpdateCoordRefPoint** set of type action

→ **UpdateDoseDisplay** set of type action

→ **UpdateIsodoseNormalization** set of type action

→ **UseActualPatientForIrreg** query and set of type bool

→ **UseCoordRefPoint** query and set of type bool

→ **UseSameBeamDensity** query and set of type bool

→ **UseTrialForTreatment** query and set of type bool

→ **WarnAboutCouchRemoval** query and set of type bool

→ **WarnAboutLasers** query and set of type bool

→ **WarnAboutPadding** query and set of type bool

→ **WarnExportMUApproximateBeams** set of type action

→ **WeightEqual** set of type action

→ **WeightProportional** set of type action

→ **WritePrescriptionToScanditronix** set of type action

TrialConstraint

$\rightarrow$ **BeamExtensionList** query and set of type

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **ConstraintList** query and set of type

$\rightarrow$ **ConstraintListTypes** query and set of type string

$\rightarrow$ **DeleteCurrentConstraint** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** query and set of type

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **HasBeamExtensionList** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **PropertyList** query and set of type

$\rightarrow$ **Value** query and set of type float

TrialDoseComparison

- → **ComputeDoseDifferenceStatistics** set of type action
- → **DeformationTime** query and set of type float
- → **DoseDiffSumValid** query and set of type bool
- → **LeftWindowTrial** set of type action
- → **LeftWindowTrialObject** query and set of type
- → **RegenerateDoseComparison** set of type action
- → **RightWindowTrial** set of type action
- → **RightWindowTrialObject** query and set of type
- → **SetLeftWindowTrial** set of type action
- → **SetRightWindowTrial** set of type action

TrialIsodoseLine

  → **Color** set of type action

  → **Display2dMode** set of type action

  → **Display3dMode** set of type action

  → **IsoValue** query and set of type float

  → **LineType** query and set of type int

  → **LineWidth** set of type action

  → **RecomputeLine** set of type action

  → **RedisplayLine** set of type action

  → **Trial** query of type pointer set of type action

  → **TrialName** query and set of type action

  → **UpdateColorTable** set of type action

  → **UpdateVolumeName** set of type action

TrialObjective

$\rightarrow$ **BeamExtensionList** query and set of type

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **DeleteCurrentObjective** set of type action

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **Function** query and set of type

$\rightarrow$ **Gradient** query and set of type pointer

$\rightarrow$ **HasBeamExtensionList** query of type bool

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **ObjectiveList** query and set of type

$\rightarrow$ **ObjectiveListTypes** query and set of type string

$\rightarrow$ **PropertyList** query and set of type

$\rightarrow$ **Value** query and set of type float

TrialPoiReport

    → **IncludeLines** query of type action

    → **MaxText** query of type action

    → **MinimumColumnWidth** query and set of type int

    → **NumColumns** query of type action

    → **NumRows** query of type action

    → **PoisPerSection** query and set of type int

    → **ReportObject** query of type action

    → **TimeOutInSeconds** query and set of type float

    → **TrialObject** query and set of type pointer

    → **Value** query of type action

UTConversion

→ **BeginMessageBatch** set of type action

→ **BottomJawPosition** query and set of type float

→ **Cancel** set of type action

→ **ClassName** query of type string

→ **CreateAndLoadODM** set of type action

→ **CutoffRadius** query and set of type float

→ **Destroy** set of type action

→ **EndMessageBatch** set of type action

→ **Existence** query of type bool

→ **Frequency** query and set of type float

→ **IncludeInnerRect** query and set of type bool

→ **InstanceName** query of type string

→ **IsFiling** query of type bool

→ **IsNewer** query of type bool

→ **LeftJawPosition** query and set of type float

→ **MonitorUnits** query and set of type float

→ **ODMName** query and set of type string

→ **ODMShapeType** query and set of type string

→ **ODMShapeTypeList** query of type StringList

→ **PluginName** query of type string

→ **Region1** query and set of type float

→ **Region2** query and set of type float

→ **Region3** query and set of type float

→ **Region4** query and set of type float

→ **Region5** query and set of type float

→ **Region6** query and set of type float

→ **Region7** query and set of type float

→ **Region8** query and set of type float

→ **Region9** query and set of type float

→ **Revision** query of type string

→ **RightJawPosition** query and set of type float

→ **Run** set of type action

→ **TopJawPosition** query and set of type float

→ **UnitTestMode** query and set of type bool

→ **XDim** query and set of type int

→ **XInnerRect** query and set of type float

→ **XOffset** query and set of type float

→ **XOuterRect** query and set of type float

→ **YDim** query and set of type int

→ **YInnerRect** query and set of type float

→ **YOffset** query and set of type float

$\rightarrow$ **YOuterRect** query and set of type float

UTOffscreenDRR

$\rightarrow$ **AllowInterrupt** query and set of type bool

$\rightarrow$ **Annotate** query and set of type bool

$\rightarrow$ **BeginMessageBatch** set of type action

$\rightarrow$ **Cancel** set of type action

$\rightarrow$ **ClassName** query of type string

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **DrawImage** subobject of type UTOffscreenDRR

$\rightarrow$ **DumpImage** set of type string

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **Existence** query of type bool

$\rightarrow$ **FieldWidth** query and set of type float

$\rightarrow$ **GenerateDRR** set of type action

$\rightarrow$ **InstanceName** query of type string

$\rightarrow$ **IsFiling** query of type bool

$\rightarrow$ **IsNewer** query of type bool

$\rightarrow$ **PluginName** query of type string

$\rightarrow$ **Res** query and set of type int

$\rightarrow$ **Revision** query of type string

$\rightarrow$ **Run** set of type action

$\rightarrow$ **StepSize** query and set of type float

$\rightarrow$ **UnitTestMode** query and set of type bool

$\rightarrow$ **XPix** query and set of type int

$\rightarrow$ **YPix** query and set of type int

VarianDynamicWedge

$\rightarrow$ **AddPoint** set of type action

$\rightarrow$ **ColumnFormat** query of type action

$\rightarrow$ **DefaultAngleType** query of type action

$\rightarrow$ **DeleteRow** set of type action

$\rightarrow$ **DisplayProfile** set of type action

$\rightarrow$ **EndMessageBatch** set of type action

$\rightarrow$ **FillTransmissionProfile** set of type action

$\rightarrow$ **GoldenSTT** subobject of type CurveNd

$\rightarrow$ **GoldenSTTFileList** list of type SimpleString

$\rightarrow$ **ImportGoldenSTT** set of type action

$\rightarrow$ **Initialize** set of type action

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **IsVarianDynamicWedge** query of type action

$\rightarrow$ **ModificationDependency** query and set of type bool

$\rightarrow$ **MonitorUnitMin** query and set of type float

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **NumColumns** query and set of type

$\rightarrow$ **NumRows** query and set of type

$\rightarrow$ **NumberOfPoints** query and set of type

$\rightarrow$ **ProfileValidity** query and set of type action

$\rightarrow$ **Value** set of type action

$\rightarrow$ **X** set of type action

$\rightarrow$ **Y** set of type action

ViewWindow

→ **2DMeasureGridOn** query and set of type action

→ **2dVolume** query and set of type action

→ **AdjustCineFrameCountAndIncrement** set of type action

→ **Alpha** query and set of type float

→ **AlternateInterpModeList** query and set of type StringList

→ **AlwaysRegenerateFrames** set of type action

→ **BEV** query and set of type action

→ **BEVSegmentIndex** query and set of type action

→ **BEVTextOffsetX** query and set of type int

→ **BEVTextOffsetY** query and set of type int

→ **BRV** query and set of type action

→ **BRVBottomTopLabel** query of type action

→ **BRVFrontBackLabel** query of type action

→ **BRVLeftRightLabel** query of type action

→ **BRVOrientation** query and set of type action

→ **BRVOrientationList** query of type action

→ **Beam** query and set of type action

→ **CanvasWidget** query of type action

→ **Center** query of type action

→ **ChangeBackgroundColor** set of type action

→ **Cine3DRenderType** query and set of type action

→ **Cine3DRenderTypeList** query of type action

→ **CineActualFramesPerSecond** query and set of type float

→ **CineEndImage** set of type action

→ **CineFrameCount** query and set of type int

→ **CineFramesPerSecondSpeed** query and set of type action

→ **CineGate** query of type bool set of type action

→ **CineIncrement** query and set of type int

→ **CineMode** query and set of type action

→ **CineModeList** query of type action

→ **CineOnOff** query and set of type action

→ **CineRequestedFramesPerSecond** query and set of type float

→ **CineStartImage** query and set of type int

→ **CineTemporaryPause** query and set of type bool

→ **CineVolumes** query and set of type bool

→ **Clear3DImage** set of type action

→ **ClearAnnotation** set of type action

→ **ClearRenderedImage** set of type action

→ **Copy2dView** set of type action

→ **Copy3dView** set of type action

→ **CopyBevView** set of type action

- → **CopyMultipleBevView** set of type action
- → **CurrentAndSharedMarkerColor** query and set of type ObjString
- → **DRRValid** query and set of type action
- → **Display2dSlicePosition** query and set of type action
- → **Display3dSlicePosition** query and set of type action
- → **DisplayBEVSegment** query of type action
- → **DisplayCurrentWindowBorder** query and set of type int
- → **DisplayThickSlice** query and set of type action
- → **Enter2dMode** set of type action
- → **Enter3dMode** set of type action
- → **FlipVolumeSliceX** set of type action
- → **FlipVolumeSliceY** set of type action
- → **FusionDisplay** query and set of type action
- → **FusionDisplayIs** query of type action
- → **FusionDisplayMode** query and set of type action
- → **FusionDisplayModeList** query of type action
- → **FusionDisplayModeListShort** query of type action
- → **Global2DMeasureGridOn** query and set of type action
- → **GlobalDisplayThickSlice** query of type bool set of type action
- → **HasActiveImage** query of type action
- → **HasAssociatedTrial** query and set of type action
- → **HasCurrentBorderDisplayed** query and set of type bool
- → **HasImageData** query of type action
- → **ImageType** set of type action
- → **InSynchImageGroup** query and set of type bool
- → **Inactive** query and set of type action
- → **InactiveIfAcqsim** set of type action
- → **InactiveIfCtSim** set of type action
- → **InactiveIfFusion** set of type action
- → **IncrementSegmentIndex** set of type action
- → **InterpMode** query and set of type EnumeratedList with labels
- → **InterpModeList** query and set of type StringList
- → **Is3d** query of type action
- → **IsAcqsimWindow** query of type action
- → **IsCoronal** query of type action
- → **IsCtSimWindow** query of type action
- → **IsFusionWindow** query of type action
- → **IsOblique** query of type action
- → **IsRecordWindow** query of type action
- → **IsRoRWindow** query of type action
- → **IsSagittal** query of type action
- → **IsSelectedWindow** query and set of type bool

→ **IsTransverse** query of type action

→ **LoadWindowLevelPreset** set of type action

→ **MagicWindowOff** set of type action

→ **MakeCoronal** set of type action

→ **MakeCurrentIfVisible** set of type action

→ **MakeSagittal** set of type action

→ **MakeTransverse** set of type action

→ **MakeTrialValid** set of type action

→ **MakeVolumeMatchTrial** set of type action

→ **MarkerColor** query and set of type ObjString

→ **MarkerLength** query and set of type int

→ **MarkerThickness** query and set of type int

→ **Mirror2DDisplayY** set of type action

→ **MoveFocusToVolumeCenter** set of type action

→ **MultipleBEVSegmentIndex** set of type action

→ **Name** query and set of type string

→ **NextImage** set of type action

→ **NumberOfSlices** query of type action

→ **Orientation** query and set of type action

→ **OrientationList** query of type action

→ **OrientationListNoOblique** query of type action

→ **OrientationLocked** query and set of type bool

→ **OrientationString** query and set of type string

→ **OverrideVolume** set of type action

→ **PanDown** set of type action

→ **PanLeft** set of type action

→ **PanRight** set of type action

→ **PanStepSize** query and set of type float

→ **PanToFraction** query and set of type action

→ **PanUp** set of type action

→ **PixelsPerSquare** query and set of type int

→ **PixelsPerSquarePct** query and set of type action

→ **PreviousImage** set of type action

→ **PromptScaleWhenPrint** query and set of type bool

→ **REV** query and set of type action

→ **Record** set of type action

→ **RemoveCurrentRecord** set of type action

→ **RemoveCurrentTrial** set of type action

→ **RemoveSecondaryVolume** set of type action

→ **RemoveTrial** set of type action

→ **Render** set of type action

→ **RenderGradientRadius** set of type action

→ **RenderGradientThreshold** set of type action

→ **RenderIfNecessary** set of type action

→ **RenderLowerThreshold** set of type action

→ **RenderStepSize** set of type action

→ **RenderUpperThreshold** set of type action

→ **RenderWhen** set of type action

→ **Reset2dView** set of type action

→ **ResetFrameIndex** set of type action

→ **ResetFrom2d** set of type action

→ **ResetFusionDisplay** set of type action

→ **ResetFusionWindow** set of type action

→ **RotateCCW** set of type action

→ **RotateCW** set of type action

→ **RotationStepSize** query and set of type float

→ **ScaleStepSize** query and set of type float

→ **ScaleZoom** set of type action

→ **SecondaryVolumeList** query and set of type action

→ **SelectToolIndividually** query and set of type bool

→ **SetDRR** set of type action

→ **SetNextTrial** set of type action

→ **SetNextVolume** set of type action

→ **SetSecondaryVolume** set of type action

→ **SetSliceToCurrentPoi** set of type action

→ **SetSliceToIsocenter** set of type action

→ **SetToCurrentVolumeWinLevLut** set of type action

→ **SetToVolumeWinLevLut** set of type action

→ **SetTrial** set of type action

→ **SetVolume** set of type action

→ **SharedZMarkerColor** query and set of type ObjString

→ **ShiftDown** set of type action

→ **ShiftLeft** set of type action

→ **ShiftRight** set of type action

→ **ShiftStepSize** query and set of type float

→ **ShiftUp** set of type action

→ **ShowFilmAnnotations** query and set of type bool

→ **ShowFullDescription** query and set of type bool

→ **SliceNumber** query and set of type action

→ **SlicePosition** set of type action

→ **SynchImageIndex** query and set of type int

→ **SynchImageOffset** query of type int set of type action

→ **SynchronizedImageList** query and set of type

→ **Toggle2dSlicePosition** set of type action

- → **Toggle2dSlicePositionByWindowSetId** set of type action
- → **Tool2d** set of type action
- → **Tool3d** set of type action
- → **TransparentDisplay** query and set of type action
- → **Trial** query and set of type action
- → **TrialLocked** query and set of type action
- → **TrialNonBEV** set of type action
- → **TurnOff2dSlicePositionByWindowSetId** set of type action
- → **TurnOn2dSlicePositionByWindowSetId** set of type action
- → **Type** query and set of type action
- → **UpdateCtSimWindowTrial** set of type action
- → **UpdateCurrentWinLev** set of type action
- → **UpdateCurrentWindow** set of type action
- → **UpdateIfRecordWindow** set of type action
- → **UpdateImageZPos** set of type action
- → **UpdateVolumeName** set of type action
- → **UseLinearCtLut** query of type bool set of type action
- → **UseTextOffsetX** query and set of type bool
- → **UseTextOffsetY** query and set of type bool
- → **UserSliceNumber** query and set of type action
- → **ValidForCine** query of type action
- → **ViewController** set of type action
- → **ViewModeLocked** query and set of type bool
- → **Viewpoint** set of type action
- → **VolumeDisplayList** list of type VolumeDisplay
- → **VolumeLocked** query and set of type bool
- → **WinLevToVolume** set of type action
- → **WindowId** query and set of type int
- → **WindowSetId** query and set of type action
- → **XWindowId** query of type action
- → **Zoom** query and set of type action
- → **ZoomToVolumeCell** set of type action
- → **ZoomToWindow** set of type action

ViewWindowConfig

- → **Cols** query and set of type int
- → **Description** query of type action
- → **EndMessageBatch** set of type action
- → **Height** query and set of type int
- → **Increment** query and set of type int
- → **MakeValid** set of type action
- → **ObjectVersion** subobject of type ObjectVersion
- → **Realize** set of type action
- → **Rows** query and set of type int
- → **StartImage** query and set of type int
- → **UpdateStartImages** set of type action
- → **Width** query and set of type int
- → **WindowSetId** query and set of type int
- → **WindowType** query and set of type EnumeratedList with labels
- → **XPosition** query and set of type int
- → **YPosition** query and set of type int

Volume

$\rightarrow$ **AbsCouch** query of type action set of type bool

$\rightarrow$ **AbsoluteVoxelSize** query of type action

$\rightarrow$ **AddFiducialPOI** query and set of type

$\rightarrow$ **AllSlicesShareZCoordinate** query of type bool

$\rightarrow$ **AllSlicesWereDeleted** query and set of type bool

$\rightarrow$ **AllVoxelSizesValid** query and set of type bool

$\rightarrow$ **AllZCoordinatesUnique** query of type bool

$\rightarrow$ **AssignUIDForNonDicom** set of type action

$\rightarrow$ **CanUseSUV** query of type action

$\rightarrow$ **Center** query and set of type action

$\rightarrow$ **CenterStart** query and set of type action

$\rightarrow$ **ChangeManuf** set of type action

$\rightarrow$ **CheckForNegativeValues** set of type action

$\rightarrow$ **ClipData** set of type action

$\rightarrow$ **ColorTableController** query and set of type pointer

$\rightarrow$ **ColumnFormat** query of type action

$\rightarrow$ **ColumnHeader** query of type action

$\rightarrow$ **ColumnHeaderFormat** query and set of type ObjString

$\rightarrow$ **ConfigureToCoverVolume** set of type action

$\rightarrow$ **ConfirmOKToMove** query of type action

$\rightarrow$ **CopyAlignedData** set of type action

$\rightarrow$ **CopyDisplayToVolumeDisplay** set of type action

$\rightarrow$ **CopyGeometry** set of type action

$\rightarrow$ **CopyTransforms** set of type action

$\rightarrow$ **CouchHeight** query and set of type float

$\rightarrow$ **CouchID** query and set of type string

$\rightarrow$ **CouchPos** query of type action

$\rightarrow$ **CreateVolumeFromSlice** query of type action

$\rightarrow$ **DB_Name** query and set of type string

$\rightarrow$ **DICOMVersion** query and set of type string

$\rightarrow$ **DRREnergy** query and set of type action

$\rightarrow$ **DRRScaleFactor** query and set of type action

$\rightarrow$ **DRRUseLimits** query and set of type action

$\rightarrow$ **Data** query and set of type action

$\rightarrow$ **DataIsModifiedByRois** query and set of type bool

$\rightarrow$ **DataIsSynthetic** query and set of type bool

$\rightarrow$ **DataSlicesCopiedByReference** query of type bool

$\rightarrow$ **DatasetLookup** set of type action

$\rightarrow$ **DatasetModified** query and set of type bool

$\rightarrow$ **Date** query and set of type string

$\rightarrow$ **DateForDisplay** query of type action

- → **DecubitusPrimaryDimension** query and set of type ObjString

- → **DecubitusPrimaryDimensionList** query and set of type StringList

- → **Deform** query and set of type bool

- → **DeleteAllSliceDefinitions** set of type action

- → **DeleteSlice** set of type action

- → **Dimension** query and set of type action

- → **DimensionZWithLimit** set of type action

- → **Display2d** query and set of type bool

- → **Display2dLabelInLocalCoords** query and set of type bool

- → **DisplayAs3dSecondary** query and set of type

- → **DisplayAsSecondary** query and set of type

- → **DisplayHistogram** query of type action

- → **Displayable** query and set of type bool

- → **DoNotAllowROILoading** query and set of type bool

- → **DoNotAllowROIs** query and set of type bool

- → **DoseSummationType** query and set of type int

- → **EffectiveDoseType** query and set of type bool

- → **EndSliceClosenessTolerance** query and set of type float

- → **FiducialPOIList** query and set of type

- → **FlipLeftRight** set of type action

- → **FlipTopBottom** set of type action

- → **ForceSliceListToMatchZDimension** set of type action

- → **FrameDisplay** query and set of type action

- → **FrameDisplayList** query of type action

- → **GatePct** query and set of type string

- → **GatingLabel** query and set of type string

- → **GatingUID** query and set of type ObjString

- → **GetImageSet** set of type action

- → **GetNegativeVoxel** set of type action

- → **GradientInterpolation** set of type action

- → **HeaderObject** query and set of type action

- → **ImageSetPrefix** query and set of type ObjString

- → **ImageType** query and set of type action

- → **ImageTypeList** query of type action

- → **ImportedDose** query and set of type bool

- → **InitialRotX** query and set of type float

- → **InitialRotY** query and set of type float

- → **InitialRotZ** query and set of type float

- → **InitialTransX** query and set of type float

- → **InitialTransY** query and set of type float

- → **InitialTransZ** query and set of type float

- → **InputFileName** query and set of type ObjString

$\rightarrow$ **InputFilePath** query and set of type ObjString

$\rightarrow$ **InputFilePrefix** query and set of type ObjString

$\rightarrow$ **InsetPolyByHalfVoxel** query of type bool set of type action

$\rightarrow$ **InvertYInTable** query and set of type bool

$\rightarrow$ **IsAVGDataset** query of type action

$\rightarrow$ **IsCTVolume** query of type action

$\rightarrow$ **IsComputedDataset** query of type action

$\rightarrow$ **IsCoordinateSystemValid** query of type action

$\rightarrow$ **IsDICOMStartPointUsed** query of type action

$\rightarrow$ **IsGated** query of type action

$\rightarrow$ **IsMIPDataset** query of type action

$\rightarrow$ **IsMinIPDataset** query of type action

$\rightarrow$ **IsNonNegative** query and set of type bool

$\rightarrow$ **IsPatientPositionEmpty** query of type action

$\rightarrow$ **IsPropagateTarget** query and set of type bool

$\rightarrow$ **IsRenderable** query and set of type action

$\rightarrow$ **IsVariableSpacing** query of type bool

$\rightarrow$ **IsVariableZRender** query of type bool

$\rightarrow$ **KVP** query and set of type string

$\rightarrow$ **KVPForDisplay** query of type action

$\rightarrow$ **LengthInPixels** query and set of type float

$\rightarrow$ **LengthInUnits** query and set of type float

$\rightarrow$ **LoadDataFromFile** set of type action

$\rightarrow$ **LoadDataFromVoidPtr** set of type action

$\rightarrow$ **LoadHeaderFromFile** set of type action

$\rightarrow$ **LoadImageInfo** set of type action

$\rightarrow$ **LoadWaterPhantom** set of type action

$\rightarrow$ **LoadWindowLevelPreset** set of type action

$\rightarrow$ **LocalToWorldTransform** set of type action

$\rightarrow$ **LowerThreshold** query and set of type action

$\rightarrow$ **LowerThresholdPct** set of type action

$\rightarrow$ **MRN** query of type action

$\rightarrow$ **MaintainVolumeSize** query and set of type bool

$\rightarrow$ **Manuf** query and set of type string

$\rightarrow$ **ManufForDisplay** query of type action

$\rightarrow$ **MaxValueForDoseDisplay** query of type action

$\rightarrow$ **MaxVoxelSize** query and set of type float

$\rightarrow$ **MaximumValue** query of type float

$\rightarrow$ **MeanShiftEPS** query and set of type float

$\rightarrow$ **MeanShiftRange** query and set of type int

$\rightarrow$ **MeanShiftSize** query and set of type int

$\rightarrow$ **MemoryAllocationFailed** query and set of type bool

- → **MemoryLimitInMegaBytes** query and set of type float

- → **MergeVolume** set of type action

- → **MinimumValue** query of type float

- → **Modality** query and set of type string

- → **Model** query and set of type string

- → **ModelForDisplay** query of type action

- → **ModificationDependency** query of type action

- → **MoveToCenter** set of type action

- → **Moveable** query and set of type action

- → **Name** query of type string set of type action

- → **NegativeValDisplay** query and set of type ObjString

- → **NegativeValuesExist** query and set of type bool

- → **NumColumns** query of type action

- → **NumRows** query of type action

- → **NumberOfPoints** query of type action

- → **OKToRedo** query of type action

- → **OKToUndo** query of type action

- → **OnSliceClosenessTolerance** query and set of type float

- → **OrderDescriptor** query of type action set of type string

- → **Origin** query and set of type action

- → **OurScanner** query of type action

- → **OverrideOurScanner** query and set of type bool

- → **ParentObject** query and set of type pointer

- → **PatientName** query of type action

- → **PatientPosition** query and set of type action

- → **PlanUID** query and set of type ObjString

- → **PrimaryDimension** query and set of type ObjString

- → **PrimaryDimensionList** query and set of type StringList

- → **QSEnable** set of type action

- → **RTImageUID** query and set of type ObjString

- → **RawValueUnits** query and set of type int

- → **RayTraceInterpolation** query and set of type action

- → **RayTraceInterpolationIsLinear** query and set of type action

- → **RayTraceInterpolationList** query of type action

- → **RecomputeTrialVolumeRoiList** set of type action

- → **RecordTransforms** query and set of type bool

- → **RedoTransformation** set of type action

- → **RegenerateColorTable** query and set of type bool

- → **ReloadIfModifiedByRois** set of type action

- → **RenderPreset** set of type action

- → **RenumberingSlicesMessage** query of type action

- → **ReorderBySliceNumber** set of type action

→ **ReorderByZLocation** set of type action

→ **ResetTransformations** set of type action

→ **RestoringSliceMessage** query of type action

→ **RoiInPrimaryList** query of type action

→ **RoiMask** set of type action

→ **RoundData** query of type bool set of type action

→ **RoundingValue** query of type float set of type action

→ **RowHeader** query of type action

→ **RowHeaderFormat** query and set of type ObjString

→ **SSUID** query and set of type ObjString

→ **SaveDataToFile** set of type action

→ **SaveHeaderToFile** set of type action

→ **SaveImageInfo** set of type action

→ **SaveVolumeData** set of type action

→ **ScanAcquisition** query and set of type action

→ **SelectColor** set of type action

→ **SeriesDescription** query and set of type string

→ **SeriesExceedsLimit** query and set of type bool

→ **SetDisplay2d** set of type action

→ **SetGrey2dBackground** set of type action

→ **SetPrimaryDimension** set of type action

→ **SetSliceList** set of type action

→ **SetXYScaleFromStaticInfo** set of type action

→ **SetupSyntheticFromLowerLeft** query and set of type bool

→ **ShowRotationAsMatrix** query and set of type bool

→ **Size** query of type action

→ **SliceInfoModified** set of type action

→ **SliceList** list of type ImageInfo

→ **SliceListValid** query of type bool

→ **SpatialUnits** query of type action

→ **SpecifiedNumOfDigit** query and set of type int

→ **Start** query and set of type action

→ **StepSize** query and set of type action

→ **StoreInitVolRot** set of type action

→ **StoreInitVolTrans** set of type action

→ **StudyID** query and set of type string

→ **StudyId** query and set of type int

→ **SyntheticWaterPhantom** query and set of type bool

→ **TableKeyList** query of type action

→ **ThickSliceDisplay** subobject of type ThickSliceDisplay

→ **TrialVolumeRoiList** list of type RegionOfInterest

→ **UndoTransformation** set of type action

$\rightarrow$ **UpdateHeaderInformation** set of type action

$\rightarrow$ **UpdateSliceListForConcatVolume** set of type action

$\rightarrow$ **UpdateSliceListOnZStartChange** set of type action

$\rightarrow$ **UpdateVolumeDisplay** set of type action

$\rightarrow$ **UpperThreshold** query and set of type action

$\rightarrow$ **UpperThresholdPct** set of type action

$\rightarrow$ **UseDICOMStartPoints** query and set of type bool

$\rightarrow$ **UseIndependentWindowLevel** query and set of type bool

$\rightarrow$ **Value** query and set of type action

$\rightarrow$ **ValueUnits** query of type action

$\rightarrow$ **VisualizeOnly** query and set of type action

$\rightarrow$ **VolDelta** query and set of type action

$\rightarrow$ **VolRot** query and set of type action

$\rightarrow$ **VolRotDelta** query and set of type action

$\rightarrow$ **VolumeDescription** query of type action

$\rightarrow$ **VolumeDisplay** subobject of type VolumeDisplay

$\rightarrow$ **VolumeHistogram** subobject of type VolumeHistogram

$\rightarrow$ **VolumePath** query of type action

$\rightarrow$ **VoxelSize** query and set of type action

$\rightarrow$ **VoxelSizeNegativeAllowed** query and set of type action

$\rightarrow$ **WorldToLocalVolTransform** query of type action

$\rightarrow$ **X** query of type action

$\rightarrow$ **XAxisLabel** query of type action

$\rightarrow$ **XDim** query of type action

$\rightarrow$ **XNegLabel** query of type action

$\rightarrow$ **XPixDim** query of type action

$\rightarrow$ **XPosLabel** query of type action

$\rightarrow$ **XRecon** query and set of type float

$\rightarrow$ **XVoxelSizeValid** query and set of type bool

$\rightarrow$ **Y** query of type action

$\rightarrow$ **YAxisLabel** query of type action

$\rightarrow$ **YDim** query of type action

$\rightarrow$ **YNegLabel** query of type action

$\rightarrow$ **YPixDim** query of type action

$\rightarrow$ **YPosLabel** query of type action

$\rightarrow$ **YRecon** query and set of type float

$\rightarrow$ **YVoxelSizeValid** query and set of type bool

$\rightarrow$ **ZAxisLabel** query of type action

$\rightarrow$ **ZEnd** query of type action

$\rightarrow$ **ZIsNegated** query of type action

$\rightarrow$ **ZNegLabel** query of type action

$\rightarrow$ **ZPosLabel** query of type action

$\rightarrow$ **ZVolumeSize** query of type action

$\rightarrow$ **ZVoxelSizeValid** query and set of type bool

$\rightarrow$ **ZeroOutTransformations** set of type action

VolumeDisplay

- → **AddFiducialPOI** set of type action
- → **ApplyCubeVoi** query and set of type bool
- → **BBDependency** query and set of type pointer
- → **BeginMessageBatch** query and set of type bool
- → **BoundingBox** subobject of type BoundingBox
- → **CameFromCopiedPlan** query and set of type bool
- → **Color2d** query and set of type ObjString
- → **Color2dBackground** query and set of type ObjString
- → **ColorBarSetWindowLevel** set of type action
- → **ColorHidden** query and set of type ObjString
- → **ColorHighlight** query and set of type ObjString
- → **ColorLabel** query and set of type ObjString
- → **ColorRampDependency** query of type action
- → **ColorRampFunction** query and set of type EnumeratedList with labels
- → **ColorShade** query and set of type ObjString
- → **ColorTopLabel** query and set of type ObjString
- → **ColorVisible** query and set of type ObjString
- → **CopyFiducialDisplay** set of type action
- → **CtToOpacity** subobject of type AnnotatedCurve
- → **Display2dLabel** query and set of type bool
- → **DisplayAs3dSecondary** query and set of type bool
- → **DisplayAsSecondary** query and set of type bool
- → **DrawColorBar** query and set of type action
- → **EndMessageBatch** set of type action
- → **FiducialPOIList** list of type Poi
- → **HistoEq** query of type action
- → **Level** query and set of type action
- → **LevelPlusWindow** query and set of type action
- → **LoadedFromFile** query and set of type bool
- → **LoadedFromPre4p1Version** query and set of type bool
- → **LocalToWorldTransform** subobject of type Transform
- → **MaxColorValue** query and set of type action
- → **MaxSUVValue** query and set of type float
- → **MessageBatch** query of type bool
- → **MinColorValue** query and set of type action
- → **Moveable** query and set of type bool
- → **Name** query and set of type ObjString
- → **Pct2dBackground** query and set of type float
- → **PctLabel** query and set of type float
- → **PctTopLabel** query and set of type float
- → **RenderOptions** subobject of type RenderOptions

- → **ResetMaxColorValue** set of type action
- → **ResetMinColorValue** set of type action
- → **ResetWindowLevel** set of type action
- → **SendImage** query and set of type bool
- → **SetColorRampFunction** set of type action
- → **SetWindowLevelUnits** set of type action
- → **VolRotDelta** query and set of type action
- → **VolumeName** query and set of type ObjString
- → **Window** query and set of type action
- → **WindowLevelUnits** query and set of type EnumeratedList with labels

VolumeHistogram

- $\rightarrow$ **AutoWL** set of type action
- $\rightarrow$ **Bottom** query and set of type int
- $\rightarrow$ **Compute** set of type action
- $\rightarrow$ **Count** query of type action
- $\rightarrow$ **DisplayCount** query of type action
- $\rightarrow$ **DisplayMax** query and set of type int
- $\rightarrow$ **DisplayMin** query and set of type int
- $\rightarrow$ **Draw** query and set of type action
- $\rightarrow$ **HistogramColor** query and set of type ObjString
- $\rightarrow$ **LowerRampColor** query and set of type ObjString
- $\rightarrow$ **MaxHistogramValue** query and set of type int
- $\rightarrow$ **Maximum** query and set of type int
- $\rightarrow$ **Minimum** query and set of type int
- $\rightarrow$ **OpacityColor** query and set of type ObjString
- $\rightarrow$ **SetWindowLevel** set of type action
- $\rightarrow$ **Top** query and set of type int
- $\rightarrow$ **UpperRampColor** query and set of type ObjString
- $\rightarrow$ **Valid** query of type action

VolumeOptimizer

→ **APBBMargin** query and set of type float

→ **ActiveMask** query and set of type

→ **AddBothVolumesBBToDisplayList** set of type action

→ **AddPrimaryBBToDisplayList** set of type action

→ **AddSecondaryBBToDisplayList** set of type action

→ **BothVolumesBB** subobject of type BoundingBox

→ **BothVolumesLimitType** query and set of type EnumeratedList with labels

→ **CancelOptimization** query and set of type bool

→ **DefineSharedBB** set of type action

→ **DistanceBetweenPoints** query of type action

→ **FinalScore** query and set of type float

→ **MeanDistanceBetweenPoints** query of type action

→ **OptimizationTime** query and set of type float

→ **Optimize** set of type action

→ **PhilipsOptimizer** subobject of type PhilipsOptimizer

→ **PrimaryBB** subobject of type BoundingBox

→ **PrimaryVolumeLimitType** query and set of type EnumeratedList with labels

→ **RLBBMargin** query and set of type float

→ **RedisplayOnUpdate** query and set of type bool

→ **ReferenceMask** query and set of type

→ **SIBBMargin** query and set of type float

→ **SecondaryBB** subobject of type BoundingBox

→ **SecondaryVolumeLimitType** query and set of type EnumeratedList with labels

→ **TimeBetweenUpdates** query and set of type float

→ **TimeLimit** query and set of type float

→ **TransformOptimizer** subobject of type TransformOptimizer

→ **TransformType** query and set of type EnumeratedList with labels

→ **UsePhilipsFusion** query and set of type bool

→ **UseSingleMask** query and set of type bool

→ **XRotate** query and set of type float

→ **XTranslate** query and set of type float

→ **YRotate** query and set of type float

→ **YTranslate** query and set of type float

→ **ZRotate** query and set of type float

→ **ZTranslate** query and set of type float

Wedge

$\rightarrow$ **AddDynamicWedgeData** set of type action

$\rightarrow$ **AddPoint** set of type action

$\rightarrow$ **AngleType** query and set of type int

$\rightarrow$ **AttenuationCoefficient** query and set of type float

$\rightarrow$ **BeginMessageBatch** query and set of type bool

$\rightarrow$ **BottomToTopCode** query and set of type ObjString

$\rightarrow$ **BottomToTopLabel** query and set of type ObjString

$\rightarrow$ **BottomToTopLimit** subobject of type WedgeJawLimits

$\rightarrow$ **CanBeBottomToTop** query of type bool set of type action

$\rightarrow$ **CanBeLeftToRight** query of type bool set of type action

$\rightarrow$ **CanBeRightToLeft** query of type bool set of type action

$\rightarrow$ **CanBeTopToBottom** query of type bool set of type action

$\rightarrow$ **CheckProfiles** query of type action

$\rightarrow$ **ColumnFormat** query of type action

$\rightarrow$ **ColumnHeader** query of type action

$\rightarrow$ **ConfigurationValidity** query and set of type action

$\rightarrow$ **CurrentDiscreteAngle** query and set of type action

$\rightarrow$ **DeleteRow** set of type action

$\rightarrow$ **Density** query and set of type float

$\rightarrow$ **DiscreteAngleList** list of type SimpleString

$\rightarrow$ **DynamicEnergyName** query and set of type action

$\rightarrow$ **DynamicWedgeDataList** list of type DynamicWedgeData

$\rightarrow$ **EndMessageBatch** query and set of type bool

$\rightarrow$ **InsertRowAfter** set of type action

$\rightarrow$ **InsertRowBefore** set of type action

$\rightarrow$ **InstallPhotonEnergy** set of type action

$\rightarrow$ **IsAboveTray** query and set of type bool

$\rightarrow$ **IsAngleContinuous** query and set of type action

$\rightarrow$ **IsAngleDiscrete** query and set of type action

$\rightarrow$ **IsDynamic** query of type bool set of type action

$\rightarrow$ **LeftRightCanBeIndependent** set of type action

$\rightarrow$ **LeftToRightCode** query and set of type ObjString

$\rightarrow$ **LeftToRightLabel** query and set of type ObjString

$\rightarrow$ **LeftToRightLimit** subobject of type WedgeJawLimits

$\rightarrow$ **Length** query and set of type float

$\rightarrow$ **LoadFluenceFilterInfo** set of type action

$\rightarrow$ **Material** query and set of type ObjString

$\rightarrow$ **MaxBottomJawSetting** set of type action

$\rightarrow$ **MaxLeftJawSetting** set of type action

$\rightarrow$ **MaxRightJawSetting** set of type action

$\rightarrow$ **MaxTopJawSetting** set of type action

→ **MaximumAngle** query and set of type action

→ **MinimumAngle** query and set of type action

→ **ModificationDependency** query and set of type bool

→ **ModifierMeanThickness** query of type action

→ **Name** query and set of type ObjString

→ **NominalAngle** query and set of type int

→ **NumColumns** query and set of type

→ **NumRows** query and set of type

→ **NumberOfPoints** query and set of type

→ **OkForUniversalWedge** query and set of type bool

→ **Orientation** query and set of type

→ **Profile** subobject of type CurveNd

→ **ProfileValidText** query of type action

→ **ProfileValidity** query and set of type action

→ **ReadFromFile** set of type action

→ **RelyOnList** query and set of type

→ **RemoveDiscreteAngle** set of type action

→ **RightToLeftCode** query and set of type ObjString

→ **RightToLeftLabel** query and set of type ObjString

→ **RightToLeftLimit** subobject of type WedgeJawLimits

→ **SourceToWedgeDistance** query and set of type float

→ **TopBottomCanBeIndependent** set of type action

→ **TopToBottomCode** query and set of type ObjString

→ **TopToBottomLabel** query and set of type ObjString

→ **TopToBottomLimit** subobject of type WedgeJawLimits

→ **Value** set of type action

→ **WedgeFactor** query and set of type float

→ **WedgeHasChangedThisSession** query and set of type bool

→ **Width** query and set of type float

→ **X** query and set of type

→ **Y** query and set of type

WedgeContext

→ **Angle** query and set of type action

→ **AngleName** query of type action

→ **AngleType** query and set of type EnumeratedList with labels

→ **BeginMessageBatch** set of type action

→ **EndMessageBatch** set of type action

→ **IsValidWedge** query of type action

→ **LoadFluenceFilterInfo** set of type action

→ **Machine** query and set of type action

→ **MaxBottomJawPosition** query of type action

→ **MaxDeliverableMU** query and set of type float

→ **MaxLeftJawPosition** query of type action

→ **MaxRightJawPosition** query of type action

→ **MaxTopJawPosition** query of type action

→ **MinBottomJawPosition** query of type action

→ **MinDeliverableMU** query and set of type float

→ **MinLeftJawPosition** query of type action

→ **MinRightJawPosition** query of type action

→ **MinTopJawPosition** query of type action

→ **ModifierMeanThickness** query and set of type

→ **OffsetDistance** query and set of type float

→ **OffsetOrigin** query and set of type action

→ **Orientation** query and set of type action

→ **OrientationCanBeOpposed** query of type action

→ **OrientationLabel** query of type action

→ **ParentObject** subobject of type MeasureGeometry

→ **Rotation** query of type action

→ **ToggleOrientation** set of type action

→ **ToggleWedgeOrientation** set of type action

→ **Wedge** set of type action

→ **WedgeAngle** query and set of type action

→ **WedgeCode** query of type action

→ **WedgeDependency** query and set of type bool

→ **WedgeName** query and set of type action

→ **WedgeObject** query and set of type

→ **WedgeOffsetDistance** query and set of type float

→ **WedgeOffsetList** query of type action

→ **WedgeOffsetOrigin** query and set of type action

→ **WedgeOrientation** query and set of type action

→ **WedgeOrientationLabel** query of type action

→ **WedgeRotation** query of type action

WedgeJawLimits

- → **JawPositionsAreValid** query of type action
- → **LeftRightCanBeIndependent** query of type bool set of type action
- → **MaxBottomJawSetting** query of type float set of type action
- → **MaxLeftJawSetting** query of type float set of type action
- → **MaxRightJawSetting** query of type float set of type action
- → **MaxTopJawSetting** query of type float set of type action
- → **TopBottomCanBeIndependent** query of type bool set of type action

WindowLevel

    → **Level** query and set of type float

    → **LevelPlusWindow** query and set of type action

    → **Name** query and set of type ObjString

    → **SystemPreset** query and set of type bool

    → **Window** query and set of type float

WindowWrapper

$\rightarrow$ **Create** set of type action

$\rightarrow$ **CreateRtn** query and set of type pointer

$\rightarrow$ **Data** query and set of type pointer

$\rightarrow$ **Destroy** set of type action

$\rightarrow$ **DestroyRtn** query and set of type pointer

$\rightarrow$ **EditingAllowed** query of type action

$\rightarrow$ **Name** query and set of type ObjString

$\rightarrow$ **RedoSpreadsheetAction** set of type action

$\rightarrow$ **UnrealizeIfClass** query and set of type

$\rightarrow$ **WidgetList** query of type ObjString

XLPlanMachine

    → **Energy** subobject of type MachineEnergy

    → **Machine** subobject of type Machine

    → **ModalityNumber** query and set of type int

    → **Name** query and set of type ObjString

    → **WedgeList** list of type XLPlanWedge

XLPlanWedge

$\rightarrow$ **Angle** query and set of type int

$\rightarrow$ **Description** query of type action

$\rightarrow$ **Factor** query and set of type float

$\rightarrow$ **MachineName** query and set of type ObjString

$\rightarrow$ **ModalityNumber** query and set of type int

$\rightarrow$ **Wedge** set of type action

$\rightarrow$ **WedgeNumber** query and set of type int

$\rightarrow$ **XLPlanMachine** query and set of type pointer

5 Feedback

Please evaluate this Python scripting prototype. The code is set up such that we can easily add new additional functions to objects. Let us know what you are missing and what scripts you have created. We are eager to learn from your experiences!