Regions

File mapping changes needed

Under Zone Node figure, add a new child node:

Name: User defined
Label: ZoneSubRegion_t
Data-Type: I4
Dimensions: 1
Dimension Values: 1
Data: RegionCellDimension
Cardinality: 0,N
Parameters: IndexDimension, VertexSize, CellSize
Functions: DataSize
Child Nodes: ZoneSubRegion_t figure

Also, add new ZoneSubRegion Figure:

Name: GridLocation
Label: GridLocation_t
Data-Type: C1
Dimensions: 1
Dimension Values: Length of string
Data: GridLocation value
Cardinality: 0,1

Name: Data-name identifier or user defined
Label: DataArray_t
Data-Type: DataType
Dimensions: IndexDimension
Dimension Values: DataSize[]
Data: Solution quantities
Cardinality: 0,N
Parameters: DataType, IndexDimension, DataSize
Child Nodes: DataArray_t figure

Name: PointList
Label: IndexArray_t
Data-Type: I4
Dimensions: 2
Dimension Values: IndexDimension, ListLength[]
Data: List of indices representing vertices or boundary elements
Cardinality: 0,1
Parameters: IndexDimension, ListLength

Name: PointRange
Label: IndexRange_t
Data-Type: I4
Dimensions: 2
Dimension Values: IndexDimension,2
Data: Begin[], End[]
Cardinality: 0,1
Parameters: IndexDimension

Name: FamilyName
Label: FamilyName_t
See: BC_t figure

Name: User defined
Label: Descriptor_t
See: CGNSBase_t figure

Name: DataClass
Label: DataClass_t
See: CGNSBase_t figure

Name: DimensionalUnits
Label: DimensionalUnits_t
See: CGNSBase_t figure

Name: Rind
Label: Rind_t
See: GridCoordinates_t figure

Name: User defined
Label: UserDefinedData_t
See: CGNSBase_t figure