\*\*\*\*\*

Need to think about lca logic. wvfCompute has it off by default. Maybe different

oi's get it right internally, but the wvf tutorials and examples that go directly

need to be carefully checked.

\*\*\*\*\*

Note that examples that start with vcGetObject('sensor')

and indeed vcGetObject('anything') don't work because

vcGetObject returns empty when the example is run

in a clean workspace. I have been trying to rewrite

these with a call to the appropriate create, but when

haven't been systematic about that yet.

\*\*\*\*\*

At least one example failed for oiGet.

At least one example failed for opticsGet.

At least one example failed for oiComputeFlare.

At least one example failed for sensorMacbethDaylightEstimate.

\*\*\*\*\*

At least one example failed for ieROISelect.

@Brian

There was a typo in the skip commands, which I fixed.

But all of the examples fail when I try to run them by

hand. In some cases, a variable isn't defined. This

is typically because it was defined in an earlier

example, but we don't want to count on examples being

run in order - each should execute from a clean workspace.

But I don't think that is the only issue.

\*\*\*\*\*

At least one example failed for ipPlot.

@Brian

Dies in ieAppGet

Error using ieAppGet

Undefined ip app

Error in ieROIDraw (line 91)

[~,ax] = ieAppGet(isetobj);

Error in plotDisplayLine (line 64)

ieROIDraw(ip,'shape','line','shape data',[1 sz(2) xy(2) xy(2)]);

Error in ipPlot (line 63)

[uData, hdl] = plotDisplayLine(ip,'h',xy);

\*\*\*\*\*

At least one example failed for macbethSelect.

@Brian

There are a bunch of examples in this file. I tried maybe

the first four, each of which failed for a reason that

wasn't immediately obvious to me.

\*\*\*\*\*

At least one example failed for sceneHarmonic.

@Brian

Examples call sceneInit and sceneComplete, neither of which exist.

\*\*\*\*\*

At least one example failed for lensList.

@Brian

>> lensNames = lensList;

Unrecognized function or variable 'piDirGet'.

Error in lensList (line 57)

files = dir(fullfile(piDirGet('lens'),star));

\*\*\*\*\*

At least one example failed for oiPlot.

@Brian

This was broken becaues the call to

uData = oiPlot(oi,'irradiance energy roi');

died with this error message:

Error using ieAppGet

Undefined oi app

Error in ieROISelect (line 54)

[app, appAxis] = ieAppGet(obj);

Error in oiPlot (line 161)

roiLocs = ieROISelect(oi);

I just commented out that line in the example

with a comment that it is broken. My guess

is that some gui needs to have been opened

for this to be able to work, but leaving the

details to you. Or if this isn't an interesting

use case, could just delete from the example

altogether.

\*\*\*\*\*

Checking function oiSet.m

Need to fix so that examples don't throw scary warning

oi =

struct with fields:

type: 'opticalimage'

name: 'myName'

metadata: []

diffuser: [1×1 struct]

spectrum: [1×1 struct]

optics: [1×1 struct]

oi =

struct with fields:

type: 'opticalimage'

name: 'myName'

metadata: []

diffuser: [1×1 struct]

spectrum: [1×1 struct]

optics: [1×1 struct]

filename: 'test'

Warning: Render flag is only set when the sceneWindow is open

> In oiSet (line 199)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

\*\*\*\*\*

Checking function wvfApply.m

Need to fix so that the examples don't throw a scary warning.

Warning: The wvf wavelengths should match the scene. Recomputing

> In oiCompute (line 150)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

\*\*\*\*\*

Checking function sensorComputeMEV.m

If using default oi deserves a warning, we should code the example not

to do that. If it doesn't, we should remove the warning.

Reading multispectral data with mcCOEF.

Saved using svd method

Warning: Using default oi.

> In sensorSet (line 264)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

\*\*\*\*\*

Checking function sensorCreate.m

ans =

8 8

Warning: Data values greater than 1. Scaling data to a maximum of 1.

> In ieReadColorFilter (line 49)

In sensorReadColorFilters (line 43)

In sensorCreate>sensorCustom (line 486)

In sensorCreate (line 405)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

\*\*\*\*\*

Checking function sceneFromFile.m

If using the default display is something that deserves a warning, we should not illustrate

that use in a warning. However, I am not sure that using defaults should generate warnings,

given that the philosophy, for better or worse, has been to have almost everything have and use a default.

Warning: Default display is used to create scene

> In sceneFromFile (line 151)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

Warning: Default display is used to create scene

> In sceneFromFile (line 151)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

Reading multispectral data wit