5/8/24, DHB, dev

[Most of these were broken last January too. The two human ones were not broken then.]

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/faces/s\_faceDetectionDemo.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/human/s\_humanSceneStatistics.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/human/s\_humanSensor.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabExample.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabTutorial.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR\_compare.m -- BROKEN!

1/09/24

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/faces/s\_faceDetectionDemo.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabExample.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabTutorial.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsDefocusBase.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsDefocusWVF.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsFlare.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsFlare2.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR\_compare.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/wavefront/s\_wvfDiffraction.m -- BROKEN!

\*\*\*\*\*

Recode to get rid of this warning.

Running /Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsMicrolens.m

Warning: Using default oi.

> In sensorSet (line 264)

In s\_opticsMicrolens (line 34)

In UnitTest.runProjectTutorials>runTheTutorial (line 131)

In UnitTest.runProjectTutorials (line 80)

In ieValidate (line 227)

\*\*\*\*\*

I think I'd turn the warning off right before it's thrown, and on again after the image display.

Running /Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsRTPSF.m

Geometric distortion ...

Pre-computing PSFs...Setting up for scene psf Point Array

Eccentricity bands: 0.000 (um)

Eccentricity bands: 51.825 (um)

Eccentricity bands: 103.650 (um)

Eccentricity bands: 155.475 (um)

Eccentricity bands: 207.300 (um)

Eccentricity bands: 259.125 (um)

PSF sample grid: 47 by 47

Done precomputing PSFs.

Applying PSFs.

6 eccentricity bands

Done applying PSFs.

Warning: Image is too big to fit on screen; displaying at 71% scale.

> In truesize>Resize2 (line 312)

In truesize (line 58)

In s\_opticsRTPSF (line 64)

In UnitTest.runProjectTutorials>runTheTutorial (line 131)

In UnitTest.runProjectTutorials (line 80)

In ieValidate (line 227)

\*\*\*\*\*

Fix to get rid of the warning

Running /Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsFlare.m

dotMean: 20

dotSD: 3

dotOpacity: 0.5000

dotRadius: 1

lineMean: 20

lineSD: 2

lineOpacity: 0.5000

lineWidth: 2

segmentLength: 600

nsides: 3

Warning: The wvf wavelengths should match the scene. Recomputing

> In oiCompute (line 143)

In s\_opticsFlare (line 48)

In UnitTest.runProjectTutorials>runTheTutorial (line 131)

In UnitTest.runProjectTutorials (line 80)

In ieValidate (line 227)

\*\*\*\*\*

This warning seems suboptimal.

Running /Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/sensor/s\_sensorMacbethDaylightEstimate.m

Warning: Matrix is singular, close to singular or badly scaled. Results may be inaccurate. RCOND = NaN.

> In s\_sensorMacbethDaylightEstimate (line 83)

In UnitTest.runProjectTutorials>runTheTutorial (line 131)

In UnitTest.runProjectTutorials (line 80)

In ieValidate (line 227)

NaN

NaN

NaN

\*\*\*\*\*

s\_sensorNoise

Needs updating for new noise model.

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/faces/s\_faceDetectionDemo.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/dctAlgorithm.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/dctidct.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/entropy\_file.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpegCoef.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpegCompress.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpegRGB.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpeg\_qtables.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpgread.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/jpgwrite.m -- OK!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/makeDctMatrix.m -- OK!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/makeQTable.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/image/jpegFiles/truncate.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabExample.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/metrics/scielab/s\_scielabTutorial.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsDefocusBase.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/s\_opticsDefocusWVF.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/chromAb/ChromAb.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/chromAb/makeCmatrix.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/chromAb/makeCombinedOtf.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/chromAb/retinalImage.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsFlare.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsFlare2.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/flare/s\_opticsHDR\_compare.m -- BROKEN!

/Users/dhb/Documents/MATLAB/toolboxes/isetcam/scripts/optics/wavefront/s\_wvfDiffraction.m -- BROKEN!