

## LERoSI Module Unit Tests - 2018/01/31

FILE: LERoSI Module Unit Tests  
NAME: test/results/20180131-16.37.01.test.txt  
DATE: 2018/01/31  
TIME: 16:37:04

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```
[Suite] Group of tests
PNG Loaded Shape: [203, 258, 4]
Write BMP from PNG: true
Write PNG from PNG: true
Write JPEG from PNG: true
Write HDR from PNG: true
BMP Loaded Shape: [203, 258, 3]
Write BMP from BMP: true
Write PNG from BMP: true
Write JPEG from BMP: true
Write HDR from BMP: true
JPEG Loaded Shape: [203, 258, 3]
Write BMP from JPEG: true
Write PNG from JPEG: true
Write JPEG from JPEG: true
Write HDR from JPEG: true
HDR Loaded Shape: [203, 258, 3]
Write HDR from HDR: true
Scale for the rest of the formats
Write BMP from HDR: true
Write PNG from HDR: true
Write JPEG from HDR: true
HDR Loaded Shape: [203, 258, 3]
Writing HDR to memory to read back.
Success!
Scale for the rest of the bitmap test
Write BMP from second HDR: true
[OK] Image I/O (Internal)
Properties of 'test/sample.png':
  channelLayoutLen: 4
  channelLayoutName: ChLayoutRGBA
  channels: [ChIdR, ChIdG, ChIdB, ChIdA]
  width: 258
  height: 203
Write BMP from PNG: true
Write PNG from PNG: true
Write JPEG from PNG: true
Properties of 'test/samplepng-out.bmp':
  channelLayoutLen: 3
  channelLayoutName: ChLayoutRGB
  channels: [ChIdR, ChIdG, ChIdB]
  width: 258
  height: 203
Write BMP from BMP: true
Write PNG from BMP: true
Write JPEG from BMP: true
Properties of 'test/samplepng-out.jpeg':
  channelLayoutLen: 3
  channelLayoutName: ChLayoutRGB
  channels: [ChIdR, ChIdG, ChIdB]
  width: 258
  height: 203
Write BMP from JPEG: true
Write PNG from JPEG: true
Write JPEG from JPEG: true
Success!
[OK] Image LDR I/O (User)
```

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Testing ChLayoutRGBA:

ChLayoutRGBA.len = 4

ChLayoutRGBA.channels = [ChIdR, ChIdG, ChIdB, ChIdA]

ChLayoutRGBA.ChR = 0 and ChLayoutRGBA.channel(ChIdR) = 0

ChLayoutRGBA.ChG = 1 and ChLayoutRGBA.channel(ChIdG) = 1

ChLayoutRGBA.ChB = 2 and ChLayoutRGBA.channel(ChIdB) = 2

ChLayoutRGBA.ChA = 3 and ChLayoutRGBA.channel(ChIdA) = 3

Testing ChLayoutBGRA:

ChLayoutBGRA.len = 4

ChLayoutBGRA.channels = [ChIdB, ChIdG, ChIdR, ChIdA]

ChLayoutBGRA.ChR = 2 and ChLayoutBGRA.channel(ChIdR) = 2

ChLayoutBGRA.ChG = 1 and ChLayoutBGRA.channel(ChIdG) = 1

ChLayoutBGRA.ChB = 0 and ChLayoutBGRA.channel(ChIdB) = 0

ChLayoutBGRA.ChA = 3 and ChLayoutBGRA.channel(ChIdA) = 3

Testing ChLayoutYCbCr:

ChLayoutYCbCr.len = 3

ChLayoutYCbCr.channels = [ChIdY, ChIdCb, ChIdCr]

ChLayoutYCbCr.ChY = 0 and ChLayoutYCbCr.channel(ChIdY) = 0

ChLayoutYCbCr.ChCb = 1 and ChLayoutYCbCr.channel(ChIdCb) = 1

ChLayoutYCbCr.ChCr = 2 and ChLayoutYCbCr.channel(ChIdCr) = 2

Testing ChLayoutYCrCb:

ChLayoutYCrCb.len = 3

ChLayoutYCrCb.channels = [ChIdY, ChIdCr, ChIdCb]

ChLayoutYCrCb.ChY = 0 and ChLayoutYCrCb.channel(ChIdY) = 0

ChLayoutYCrCb.ChCb = 2 and ChLayoutYCrCb.channel(ChIdCb) = 2

ChLayoutYCrCb.ChCr = 1 and ChLayoutYCrCb.channel(ChIdCr) = 1

cmpChannels(ChLayoutRGBA, ChLayoutRGBA) = [0, 1, 2, 3]

cmpChannels(ChLayoutRGBA, ChLayoutARGB) = [3, 0, 1, 2]

cmpChannels(ChLayoutRGBA, ChLayoutRGB) = [0, 1, 2]

cmpChannels(ChLayoutRGBA, ChLayoutBGRA) = [2, 1, 0, 3]

cmpChannels(ChLayoutRGBA, ChLayoutABGR) = [3, 2, 1, 0]

cmpChannels(ChLayoutRGBA, ChLayoutBGR) = [2, 1, 0]

[OK] Channels and channel layout properties

shapes src.shape=[4, 203, 258] dest.shape=[3, 203, 258]

copy src channel 2 to dest channel 0

copy src channel 1 to dest channel 1

copy src channel 0 to dest channel 2

[OK] Copy channels

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END OF FILE LERoSI Module Unit Tests