

LERoSI Module Unit Tests - 2018/02/01

FILE: LERoSI Module Unit Tests
NAME: test/results/20180201-15.53.30.test.txt
DATE: 2018/02/01
TIME: 15:53:36

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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: [2.ChannelId, 1.ChannelId, 0.ChannelId, 3.ChannelId]
  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: [2.ChannelId, 1.ChannelId, 0.ChannelId]
  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: [2.ChannelId, 1.ChannelId, 0.ChannelId]
  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 29.ChannelLayoutId:

29.ChannelLayoutId.len = 4

29.ChannelLayoutId.channels = [2.ChannelId, 1.ChannelId, 0.ChannelId, 3.ChannelId]

29.ChannelLayoutId.ChR = 0 and 29.ChannelLayoutId.channel(ChIdR) = 0

29.ChannelLayoutId.ChG = 1 and 29.ChannelLayoutId.channel(ChIdG) = 1

29.ChannelLayoutId.ChB = 2 and 29.ChannelLayoutId.channel(ChIdB) = 2

29.ChannelLayoutId.ChA = 3 and 29.ChannelLayoutId.channel(ChIdA) = 3

Testing 15.ChannelLayoutId:

15.ChannelLayoutId.len = 4

15.ChannelLayoutId.channels = [0.ChannelId, 1.ChannelId, 2.ChannelId, 3.ChannelId]

15.ChannelLayoutId.ChR = 2 and 15.ChannelLayoutId.channel(ChIdR) = 2

15.ChannelLayoutId.ChG = 1 and 15.ChannelLayoutId.channel(ChIdG) = 1

15.ChannelLayoutId.ChB = 0 and 15.ChannelLayoutId.channel(ChIdB) = 0

15.ChannelLayoutId.ChA = 3 and 15.ChannelLayoutId.channel(ChIdA) = 3

Testing 94.ChannelLayoutId:

94.ChannelLayoutId.len = 3

94.ChannelLayoutId.channels = [12.ChannelId, 10.ChannelId, 11.ChannelId]

94.ChannelLayoutId.ChY = 0 and 94.ChannelLayoutId.channel(ChIdY) = 0

94.ChannelLayoutId.ChCb = 1 and 94.ChannelLayoutId.channel(ChIdCb) = 1

94.ChannelLayoutId.ChCr = 2 and 94.ChannelLayoutId.channel(ChIdCr) = 2

Testing 95.ChannelLayoutId:

95.ChannelLayoutId.len = 3

95.ChannelLayoutId.channels = [12.ChannelId, 11.ChannelId, 10.ChannelId]

95.ChannelLayoutId.ChY = 0 and 95.ChannelLayoutId.channel(ChIdY) = 0

95.ChannelLayoutId.ChCb = 2 and 95.ChannelLayoutId.channel(ChIdCb) = 2

95.ChannelLayoutId.ChCr = 1 and 95.ChannelLayoutId.channel(ChIdCr) = 1

cmpChannels(29.ChannelLayoutId, 29.ChannelLayoutId) = [0, 1, 2, 3]

cmpChannels(29.ChannelLayoutId, 11.ChannelLayoutId) = [3, 0, 1, 2]

cmpChannels(29.ChannelLayoutId, 5.ChannelLayoutId) = [0, 1, 2]

cmpChannels(29.ChannelLayoutId, 15.ChannelLayoutId) = [2, 1, 0, 3]

cmpChannels(29.ChannelLayoutId, 6.ChannelLayoutId) = [3, 2, 1, 0]

cmpChannels(29.ChannelLayoutId, 0.ChannelLayoutId) = [2, 1, 0]

[OK] Channels and channel layout properties

StaticLayoutImageRef[system.byte, channels.ChLayoutYpCbCr] and StaticLayoutImageRef[system.byte, channels.ChLayoutAYpCbCr]

j, i = 1, 0

j, i = 2, 1

j, i = 3, 2

[OK] Compare channels

[OK] Copy channels

END OF FILE LERoSI Module Unit Tests