skimage triaging — mar 16, 2020 – mar 22, 2020

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Contents

1 Pull requests

1.1 New PRs

- #4521 — Adding info on `venv` activation on Windows
- #4519 — Fix `exposure_adapthist` return when `clip_limit == 1`
- #4518 — Fixing order of elements in docstrings of `skimage/color/colorconv`
- #4517 — wip: stub sphinx example to illustrate data type relevance
- #4515 — example: register rotation and scaling with no shared center

1.2 Merged PRs

- #4519 — Fix `exposure_adapthist` return when `clip_limit == 1`

  Relevant points:

1. The output datatype of `skimage.exposure.exposure_adapthist` was different, depending on the value of `clip_limit`. Now it will always be float.

- #4518 — Fixing order of elements in docstrings of `skimage/color/colorconv`

Relevant points:

1. docstrings on `skimage.color.colorconv` had elements with order different than given on numpy documents. Some small changes on text as well.

1.3 Closed PRs

- #4510 — add cast to minimum dtype before `imsave`

Relevant points:

1. majority against "magic", i.e. unseen/unknown-to-the-user data conversion on `skimage`.
2. `@emmanuelle` pointed `np.min_scalar_type` to downcast data to the smallest data type compatible with the data range.

2 Issues

2.1 New issues

- #4520 — Changes required in Contributing.txt file > Info for venv activation on CONTRIBUTING.txt does not suit Windows
- #4516 — Setting clip-limit to 1 does not return original image. > `exposure.equalize_adapthist` changes output datatype
- #4514 — Specify that `rgb2lab` function is relative only to sRGB colorspace
- #4513 — Add example of natsort usage in documentation

2.2 Closed issues

- #4516 — Setting clip-limit to 1 does not return original image. > `exposure.equalize_adapthist` changes output datatype

Relevant points:

1. Solved by #4519.

- #4509 — saving a `np.uint64` to png removes (low contrast) image content

Relevant points:

1. `@psteinb` says he does not see a reason for dropping data.
2. as pointed by `@rfezzani`, this was an expected result — a warning is raised in this specific case. He points also that we use 'imageio' when saving images, and they have the same behavior.