

## darktable - Bug #12324

### Apply lens correction module after color profiles gamma correction module

09/13/2018 02:57 AM - Aurélien PIERRE

<b>Status:</b>	Duplicate	<b>Start date:</b>	09/13/2018
<b>Priority:</b>	Medium	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Darkroom	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.6.0	<b>bitness:</b>	64-bit
<b>Affected Version:</b>	git master branch	<b>hardware architecture:</b>	amd64/x86
<b>System:</b>	all		

#### Description

When you perform a huge gamma correction on input data to adjust the dynamic range before applying color profiles, the vignetting correction performs very bad (see attachment).

The lens correction should be applied after the input color, gamma and profiles corrections.

#### Related issues:

Duplicates darktable - Bug #10974: Lens correction before exposure

Patch attached 04/01/2016

#### History

##### #1 - 09/13/2018 09:10 AM - Roman Lebedev

Aurélien PIERRE wrote:

When you perform a huge gamma correction on input data to adjust the dynamic range before applying color profiles, the vignetting correction performs very bad (see attachment).

The lens correction should be applied after the input color, gamma and profiles corrections.

The other way around, lens correction should be applied right before exposure module.

##### #2 - 09/13/2018 09:17 AM - Aurélien PIERRE

why ? or maybe this is just an example of bad lens profile ?

##### #3 - 09/13/2018 09:22 AM - Roman Lebedev

- Duplicates Bug #10974: Lens correction before exposure added

##### #4 - 09/13/2018 09:22 AM - Roman Lebedev

- Status changed from New to Duplicate

##### #5 - 09/13/2018 09:22 AM - Roman Lebedev

Aurélien PIERRE wrote:

why ? or maybe this is just an example of bad lens profile ?

Because if you change black level in exposure module, vignetting correction will already be incorrect.

**#6 - 09/13/2018 09:54 AM - Aurélien PIERRE**

oh you are right, on this picture, I changed the black level in exposure too. Actually, the culprit it's not the gamma. Well, that's an easy change to make.

**#7 - 09/21/2018 09:54 PM - Roman Lebedev**

- Target version set to 2.6.0

**#8 - 10/05/2018 12:13 AM - Aurélien PIERRE**

<https://github.com/darktable-org/darktable/pull/1740>

**Files**

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DSCF3284.jpg	414 KB	09/12/2018	Aurélien PIERRE
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