

# fixCA

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## 1. Synopsis

Remove chromatic aberrations and lens-distortions using the programs `tca_correct` and `fulla` (part of the [hugin](#)-package).

## 2. Prerequisites

This module needs an HDR-list-file (config-var `HDR_LIST`) generated by module [findGroups](#).

## 3. Configuration

### **IMG\_FIXCA**

Set `IMG_FIXCA=1` to actually correct the images. Set to zero to only create symbolic links.

### **FIXCA\_PREFIX**

Prefix for generated images. Defaults to `ca_`.

### **FIXCA\_TCA\_OPTS**

Options for `tca_correct`. Only experts should tweak this option.

### **FIXCA\_FULLA\_OPTS**

Additional options for `fulla`.

### **IMG\_DIR**

Working directory. This module expects it's input files in this directory and creates it's output files also in this directory.

## 4. Description

This module is a prerequisite for [alignImages](#) and should therefore always be part of the workflow. Since the calculation of correction parameters of chromatic aberrations is a very timeconsuming operation, you might prefer to set `IMG_FIXCA=0`. In this case, instead of actually converting the images, this module only creates symbolic links.

Note that this module could be optimized. It could save calculated correction-parameters (for each lens, f-stop and possibly focus-distance) and reuse them if they were available. This would require some sort of (pseudo) database.