



MEASUREMENT OF OPTICAL ABERRATIONS BY MULTISPECTRAL PHASE DIVERSITY

Improvement process of image quality thanks to a spectral phase diversity algorithm

Technological benefits

Optical flaws characterisation

- Ground optimisation of ground deconvolution
- Used in a loop of active optics

A cost effective and efficient technology

- No need of dedicated sensors
- Offers a wide range of measures

Invention overview

The aim of this invention is to improve the images taken by the satellites so they are more precise and less blurred.

Images are improved with a flaw estimation either by an on board actuation system or by a ground image processing software.

Potential applications

Spatial

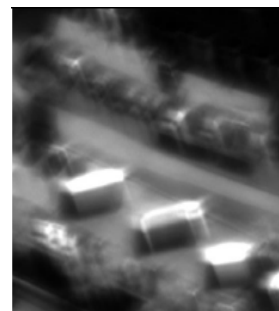
- All systems of optical observations of the earth

Photography

- Cameras

Video

- Camera in cars
- Video Drone



Commercial benefits

- Cost reduction and less complexity (no dedicated sensors needed)
- Images much sharper

TRL : 3

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