



GROUND OPTIMIZATION OF SPATIAL IMAGE QUALITY

A method of restoring a digital image from an image acquired by a device having an instrumental acquisition noise

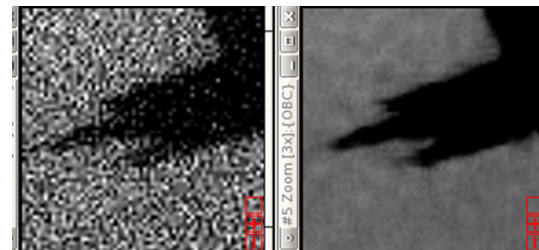
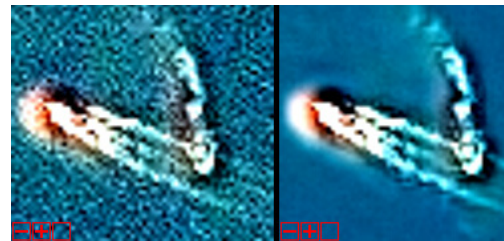
Technological benefits

Quality improvement

- No more visual flaws of compressed digital images
- Improvement of Images coming from an acquisition system with an instrumental noise

A complete solution

- A complete software solution pluggable in current and futur systems
- Compatible with compression standards



Invention overview

A complete software solution offering a sequence of images processing algorithms such as :

- B1322: enhancing compression of digital image
- B1432: targeted correction of compression artifacts with optimized parameters to significantly improved digital images.

Potential applications

- Ground exploitation of satellite images
- Applications with image compression needs (codec, plugin, video, photography)
- Embedded system: navigation, surveillance, detection

Commercial benefits

- Cost saving and instrument complexity reduction thanks to the integration of a complete software solution
- Sharper compressed images: optimisation of storage volume

TRL : 5

Property 100% CNES