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Robust CCSDS Image Data to JPEG2K Transcoding



Results

Cybernet built and tested a CCSDS 122.0-R-1 to JPEG2000 image conversion tool.

Benefits

- Distribution of NASA high resolution satellite images to users that do not have NASA's specialized format decoders

Problem

NASA, through the CCSDS, developed a lossy image compression format for low power transmission (CCSDS 122.0-R-1). NASA needed a conversion package capable of porting images from CCSDS to the more common JPEG2000 format to facilitate image distribution.

Solution

- Implement a CCSDS to JPEG2000 conversion tool that minimizes conversion error

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