

OSA Annual Meeting Abstract Submission

Title

Computed-tomography imaging spectrometer results using calculated calibration matrices

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Abstract

The computed-tomography imaging spectrometer (**CTIS**) enables transient-event spectral imaging by capturing spatial and spectral information in a single snapshot. We will describe a calculation-based CTIS calibration procedure that allows multiple **spatial-**spectral resolutions to be obtained with only a limited set of measurements. We will also present tomographic reconstructions of experimentally captured scenes.

Presentation Type: Oral preferred

Symposium Title: Computed Imaging

Key Words: unconventional imaging, tomography

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