



## Poster#23

# Digital Signal Processing In Mid-Infrared Spectroscopy

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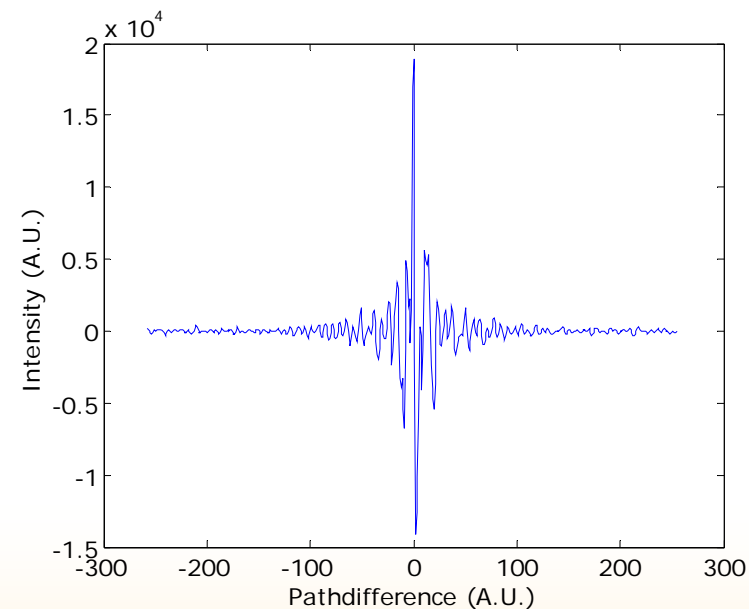
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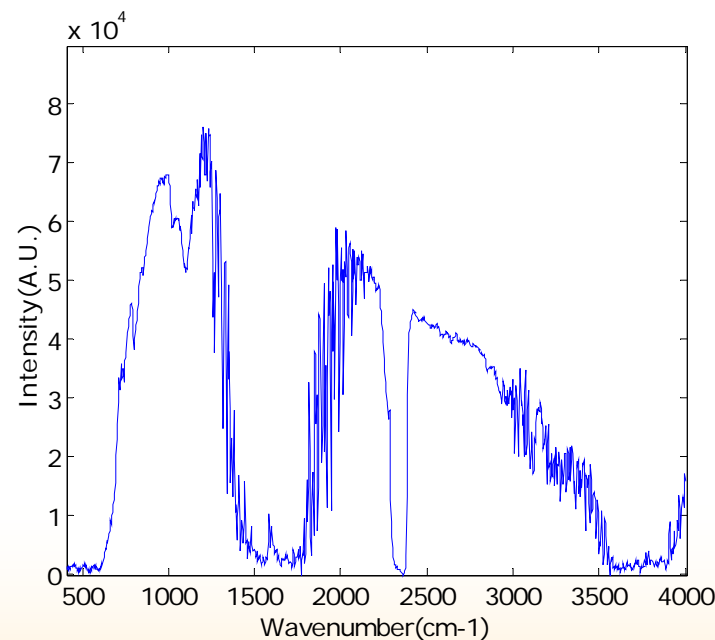
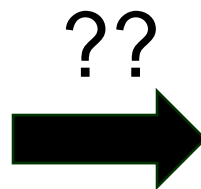
# Objectives

Evaluate Open-path Quantum Cascade Laser System using Fourier Transform Infrared Spectroscopy (FTIR)

- To develop a data processing application for FTIR



Interferogram

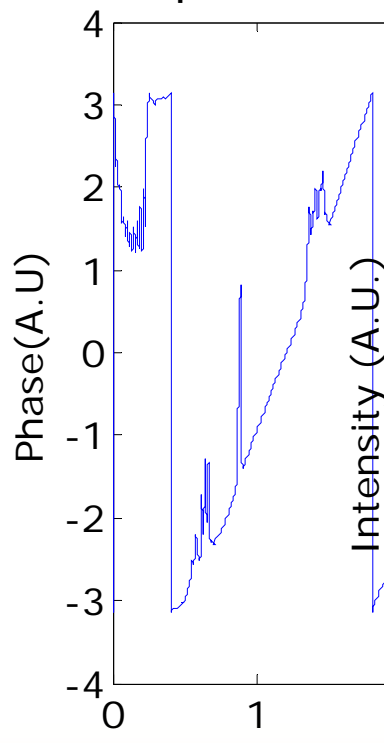


Single Beam Spectrum

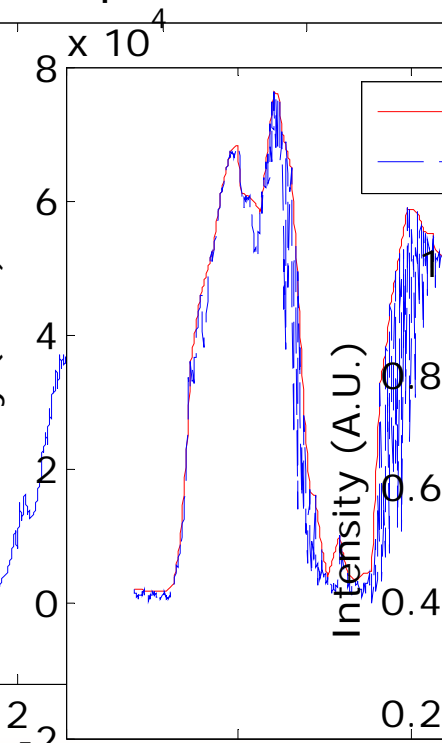


# Accomplishments

Phase Resolved Custom Background from Sample Spectrum



Custom Background from Sample Spectrum



Single Beam Spectrum from Interferogram

