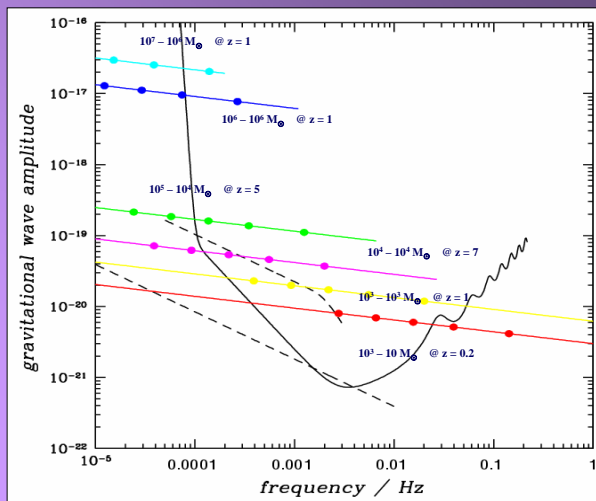


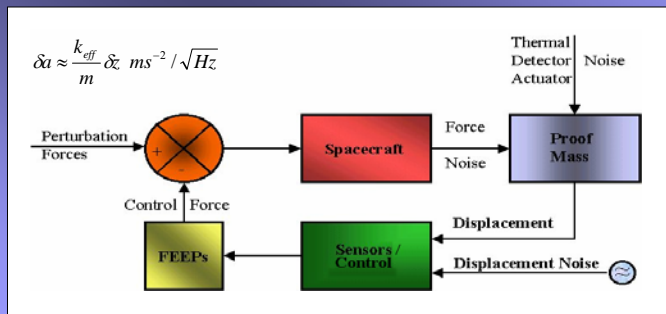
# Interferometric Sensor for Drag-free Satellite Control

## Motivation: to study Black holes

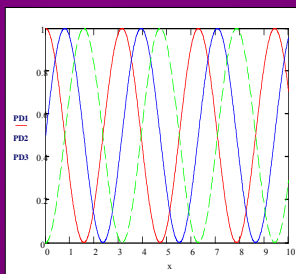
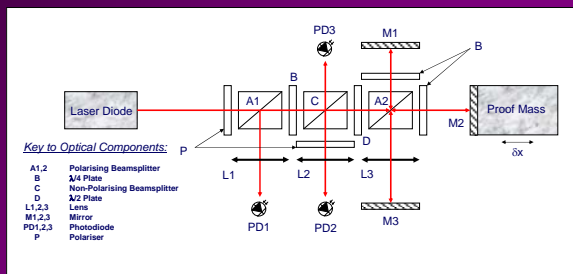


Dr. Clive Speake  
Mr. Stuart Aston

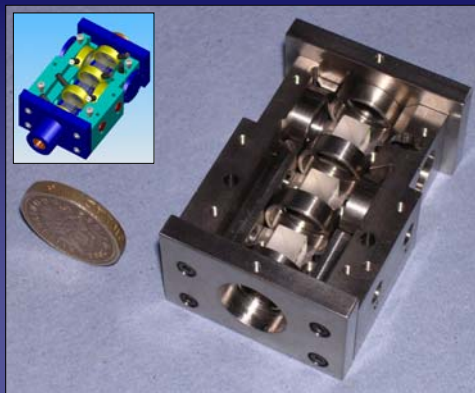
## Key to drag-free sensing: Zero stiffness sensor



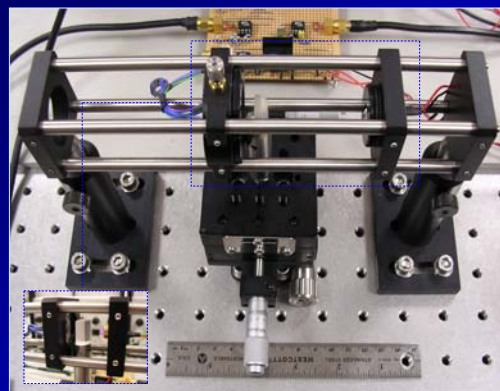
## Quadrature Twyman-Green Interferometer as a zero stiffness sensor



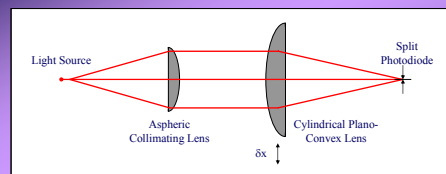
## Compact Interferometer Design



## Imaging Sensor Development



## Imaging Sensor Layout



Astrophysics and Space Research Group

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