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Hybrid Architecture Active Wavefront Sensing and Control

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DESCRIPTION

The approach is an optical system for active wavefront sensing and control for improved image analysis. The optical system can comprise a telescope assembly and one or more hybrid instruments or sensors. The one or more hybrid instruments can be configured to receive image data from the telescope assembly and perform a fine guidance operation and a wavefront sensing operation, simultaneously, on the image data received from the telescope assembly.

FEATURES AND BENEFITS

- The active nature of the control scheme allows for quick updates of an optical systems primary and secondary mirrors.
- This innovation improves the thermal stability and fine phasing update architecture of optical systems.

APPLICATIONS

- Astronomy
- Metrology
- Other Optical Systems

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15758-1, please contact:

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