High resolution imaging with the James Webb Space Telescope

Mark Clampin

James Webb Space Telescope, Goddard Space Flight Center, USA (Mark.Clampin@nasa.gov)

The James Webb Space Telescope is a large 6.5 meter aperture cryogenic space telescope. We discuss the design of the telescope and the primary science goals that motivate the design. In particular, we highlight the key elements of JWST's architecture and the capabilities of its instrument complement. We contrast these capabilities with the next generation of ground-based telescopes.