

## Field Guide to Optomechanical Design and Analysis (SPIE Field Guide Vol. FG26) (Spie Field Guides)

Katie Schwertz, James Burge



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Optomechanics is a field of mechanics that addresses the specific design challenges associated with optical systems. Intended for practicing optical and mechanical engineers whose work involves both fields, this SPIE Field Guide describes how to mount optical components, as well as how to analyze a given design. Common issues involved with mounting optical components are discussed, including stress, glass strength, thermal effects, vibration, and errors due to motion. This handy reference also has a useful collection of material properties for glasses, metals, and adhesives, along with guidelines for tolerancing optics and machined parts.

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