

## DEPARTMENT OF MECHANICAL ENGINEERING



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#### **RESEARCH THEMES**

- ◆ Laser damage (LLE)
- Optical manufacturing (3D-AM, finishing)
- Optomechanics
- ◆ Freeform Optics (CeFO)
- Computational & experimental nanomechanics
- ♦ Optical materials
- Optical surfaces

Research Article	Vol. 29, No. 6/15 March 2021 / Optics Express	8542
Optics EXPRES	s	

Verification of cascade optical coherence tomography for freeform optics form metrology

DI XU,<sup>1,\*</sup> <sup>©</sup> ZHENKUN WEN,<sup>2</sup> ANDRES GARCIA COLETO,<sup>1</sup> MICHAEL POMERANTZ,<sup>1,2</sup> JOHN C. LAMBROPOULOS,<sup>2</sup> <sup>©</sup> AND JANNICK P. ROLLAND<sup>1</sup> <sup>©</sup>



#### Freeform optics for imaging

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Received 29 October 2020; revised 15 December 2020; accepted 26 December 2020 (Doc. ID 413762); published 29 January 2021

### applied optics

Received: 22 August 2018

Accepted: 30 November 2018

Published online: 24 January 2019

# Twyman effect in thin curved optics: effects of variable thickness and curvature

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Received 9 December 2020; revised 21 January 2021; accepted 22 January 2021; posted 22 January 2021 (Doc. ID 417081); published 19 February 2021

# SCIENTIFIC REPORTS

#### OPEN Mechanisms of picosecond laserinduced damage in common multilayer dielectric coatings

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