

Thermal effects in optical elements and methods of dealing with them

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报告摘要: In this talk I briefly discuss the origin and characterization of effects arising in optical elements under high-power laser radiation: heating, thermally induced depolarization and thermal lensing. Methods of dealing with them will also be discussed on the example of the technologies used in the development of laser devices at the Institute of Applied Physics RAS.

报告人简介: Aleksey Starobor was born in Nizhny Novgorod, Russia, in 1988. He received the B.S. and M.S. degrees in physics from the State University of Nizhny Novgorod, Nizhny Novgorod, in 2009 and 2011, respectively. He received PhD from the Institute of Applied Physics RAS in 2015. He is currently a Researcher with the Institute of Applied Physics, Russian Academy of Sciences. His current research interests include thermo-optics of high-powered lasers and Faraday isolators.

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