

Special Program in Applied Mathematics and Applied Mechanics

Development of 100W class of solar-pumped laser

Prof. Tomomasa Ohkubo

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10:00 - 12:30

308, Mathematics Research Center Building (ori. New Math. Bldg.)

100W class and record-high efficiency of solar-pumped laser was developed. 4 m² of a Fresnel lens was used as a primary concentrator of the solar power and additional reflective concentrators were developed to concentrate solar power into laser medium. The history of our development of solar-pumped laser from 2006 is introducing this talk. The main topic is about how to concentrate solar power into laser medium to realize record-high efficiency.



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