

## **Measurements of thermal properties of crystals CaF<sub>2</sub>: Ce<sup>3+</sup> activated Yb<sup>3+</sup> and Lu<sup>3+</sup> ions**

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### **Abstract**

© Published under licence by IOP Publishing Ltd. Aim of this work was to investigate parameters of thermal expansion, thermal conductivity, and the temperature coefficient of the refractive index. These data are very important in the development of optical systems of lasers. Measurements of thermal conductivity were carried out using absolute stationary method of longitudinal heat flux. Parameters of thermal expansion and temperature coefficient of the refractive index were obtained by Jamin and Michelson interferometers.

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