

REFRACTOMETRIC CHARACTERISTICS
OF CRYSTALLINE AND GLASSY CADMIUM
DIARSENIDE IN THE INFRARED SPECTRAL
REGION

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S u m m a r y

The experimental results on dispersion of the ordinary n_o and extraordinary n_e indices of refraction of crystalline CdAs₂ and index of refraction n of glassy CdAs₂, obtained by the prisma method in the region of transparency are presented. The value and sign of birefringence of crystalline CdAs₂ are discussed, the comparative analysis in the Di Domenico - Wemple model the data on a glassy analog is presented, and possibilities of application of this compound in optoelectronics for production of high-effecient polarization prisms are considered.