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Nano-optical microlens with ultrashort focal length using negative refraction

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摘要: B. D. F. Casse, W. T. Lu, Y. J. Huang, and S. Sridhar We have experimentally realized an ultrashort focal length planoconcave microlens in an InP/InGaAsP semiconductor two-dimensional (2D) photonic crystal with negative index of refraction (0.7). At lambda=1.5 [mu]m, the lens exhibits ultrashort focal lengths of 12 [mu]m (~8lambda) and numerical aper ... [Appl. Phys. Lett. 93, 053111 (2008)] published Thu Aug 7, 2008.

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