Diffraction calculation of focusators into focal curves within the framework of electromagnetic theory

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Abstract

The article considers the design of diffractive optical elements for the generation of focal curves in the framework of the asymptotic approach. A simple expression for the eikonal function in curvilinear coordinates is derived. Calculations of the field generated by the focusators into the ring and into the segment are presented.

<u>Keywords</u>: focusator, focal curve, electromagnetic theory, asymptotic approach, eikonal function.

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Access full text (in Russian)

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