
Some little known aberration properties of the surface of the optical system

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A possibility of correction of spherical aberration in the lens while maintaining spherical surfaces of the change of the refractive index on the lens surface, resulting in the introduction of the medium lens axis or radial inhomogeneity of the refractive index is shown.

Keywords: *high aperture optical system, aspherical surface, axial and radial gradients of the refractive index, spherical aberration.*

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