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Features of recording of the off-axis points of the optical image firmed by the lens at longitudinal displacement relative to the light-sensitive layer 15

***Abstract***

***The article analyzes the image blur and rescaling resulting from the longitudinal displacement of the optical image formed by the lens during photo and film shooting, relative to the light - sensitive layer of a matrix or a film.***

***Mathematical models of the scattering function and the spatial frequency characteristic of the longitudinal displacement of the optical image relative to the light-sensitive layer are refined for off-axis points of the frame.***

***Keywords: digital photo camera, digital movie camera, scattering function, spatial frequency characteristic, film, image sensor.***

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