

OPTICAL FILTERS ON THE BASIS OF COMPOSITE SYSTEMS WITH NANODIMENSIONAL INCLUSIONS OF METALS

Numerical modeling of the electromagnetic response of the metal nanodimensional films and composite metal-dielectric systems formed on their basis was conducted in the wavelength range of 0.2 - 1.1 microns. A comparative analysis of the calculated and experimental data was presented. Influence of parameters of the studied composites on their electromagnetic response was shown.

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