

SIMULATION OF ANGULAR REGULARITIES
OBSERVED IN THE SPECTRA OF LIGHT
REFLECTED BY THREE-LAYER PLANE
STRUCTURES WITH A FABRY—PEROT
RESONATOR

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S u m m a r y

The theoretical simulation of angular regularities observed in the spectra of light reflected by three-layer plane structures with a Fabry—Perot resonator has been carried out. It has been shown that, for the frequencies of light waves beyond the range of longitudinal-transverse splitting, the method of envelope functions, the latter being the values of energy reflection coefficients and phases at the extrema of the interference bands, describes these regularities correctly. It has been established that, for the light frequencies within the range of longitudinal-transverse splitting, one can observe the polarization inversion of the Brewster effect, which depends on the relation between the parameters of media that make up the structure.