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DIFFRACTION OF LIGHT BY A SLIT IN ANISOTROPIC MEDIA WITH CLOSED AND OPEN WAVE VECTOR SURFACE .

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The Fraunhofer diffraction of an electromagnetic wave by a slit on an opaque screen located between vacuum and an anisotropic material medium is considered. Two cases of anisotropic media are considered and compared: with a closed wave vector surface (CWVS) and with an open wave vector surface (OWVS).
Formulas that describe diffraction in these two types of anisotropic media are obtained. Differences in the features of the formation of diffraction minima and maxima are shown.

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