

Graph relating to intensity distribution for diffraction gratings referenced as "Diffr. Gratings"

Contributors

Fuller, Watson, 1935-

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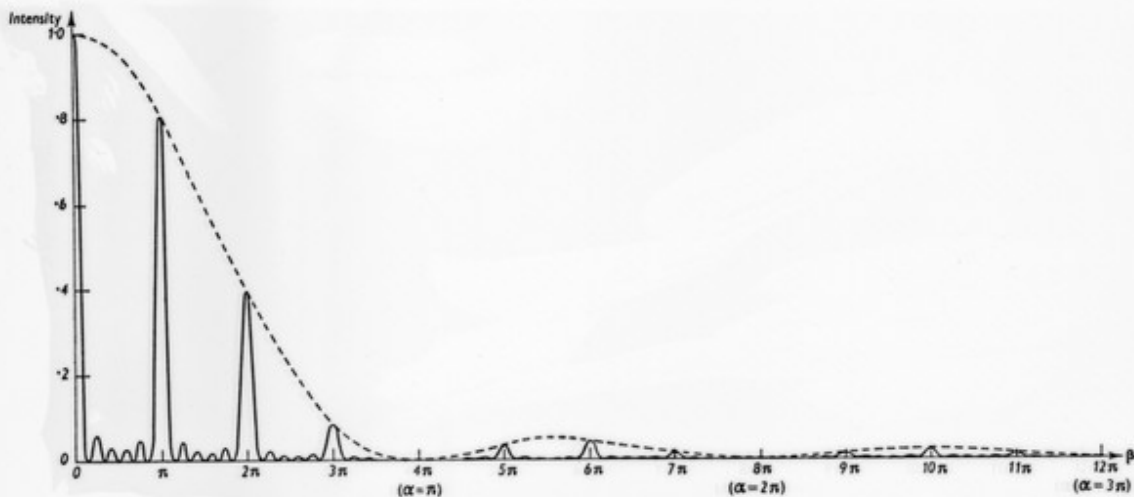
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when $a=b$ the missing orders spectra are absent from the elements have equal widths and every third order is missing if the disturbances from phase when disturbances from (See also §11-10.)

offer consisted of apertures gratings consist of rulings on silvered if a reflection grating the ruled portions simply as correspond respectively to a transmission or reflection of the energy falls in the h. It would obviously be an fracted into orders other than and more easily examined. 11) is characteristic of each is associated with the inter- is and is characteristic of the if the separate elements, pro- between disturbances from equal to $2\pi d(\sin \theta - \sin D)/\lambda$. en the resultant disturbances) gives the resultant of N such the positions of the principal es of these maxima will be a each element of the grating. differently from a single slit be changed since it gives the intensities of the spectra of ies of such gratings were first the dispersion and resolving grating elements since these (ence) term. (This will be true ke an appreciable difference is now possible to construct into one or two orders. The he energy is concentrated is gratings with blaze angles is



Intensity distribution for grating with six wide slits ($a = \frac{1}{3}b$).

of a grating is given by



0553