

Copy of a printed diagram referenced as "Ewald's construction for the diffraction maxima using the reciprocal lattice and the phase of reflection"

Contributors

Fuller, Watson, 1935-

Publication/Creation

November 1963

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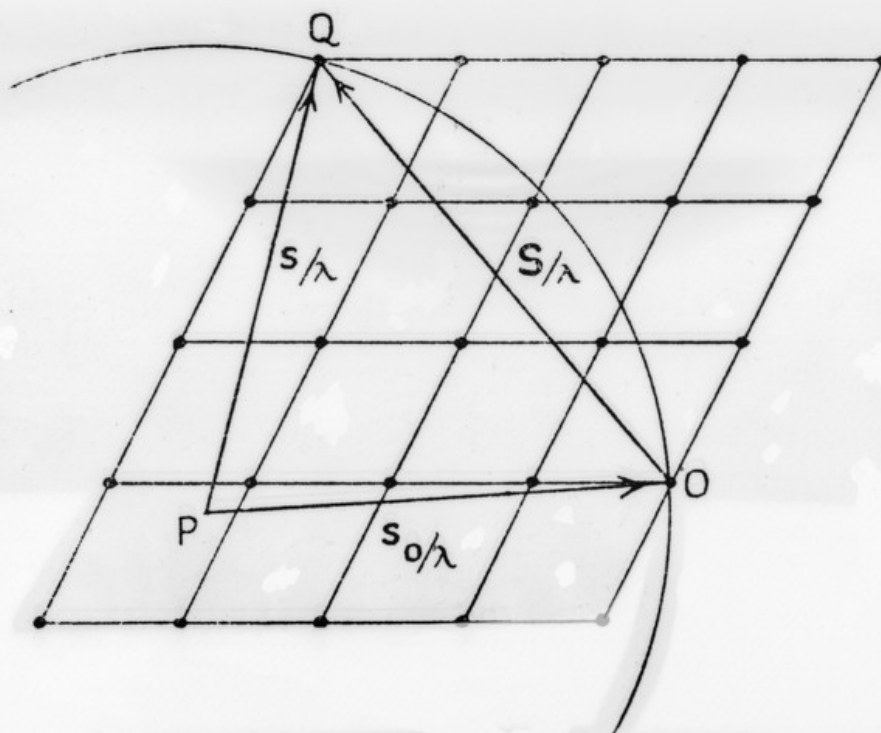
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Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
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incident radiation. Similarly, let PQ be s/λ , the corresponding vector in the direction in which the scattering is considered, and suppose that



Ewald's construction for the diffraction maxima, using the reciprocal lattice and the sphere of reflection

\vec{PO} is in the direction of a diffraction maximum. Then we have seen that \vec{OQ} , which is the direction of the vector S , must be normal to one of the lattice planes, d , which is $d = a \sin \theta$ which