## BRIEF SUMMARY OF ELASTIC SCATTERING THEORY

Plane-waves

eikir eikir detector

eikir plane = scattering angle

Scattering Object

SCATTERING PROBABILITY

FERMI GOLDEN ROLE

P=2T | (kg | V(r) | k; > | 8 (Eg-E;)

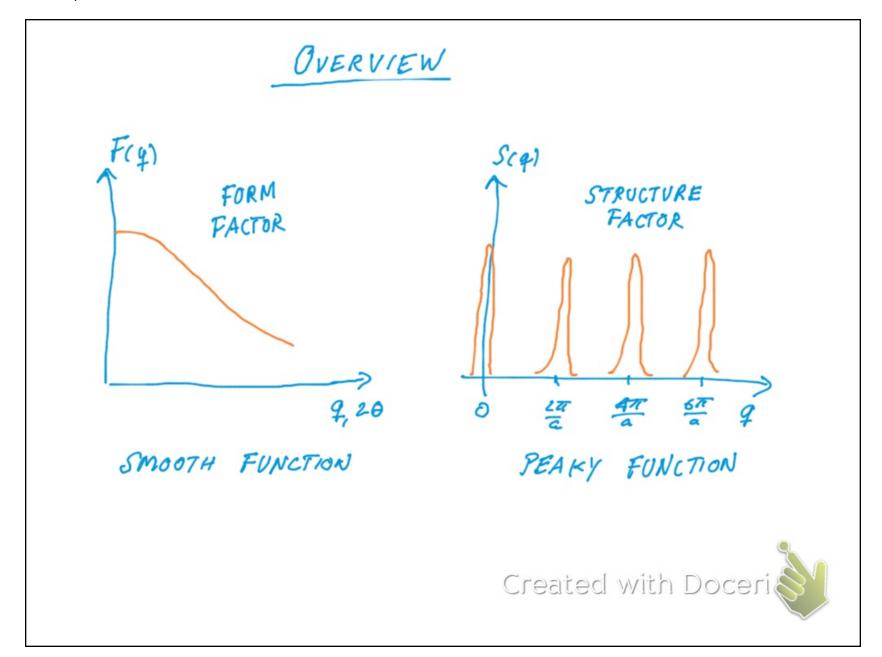
FORM FACTOR

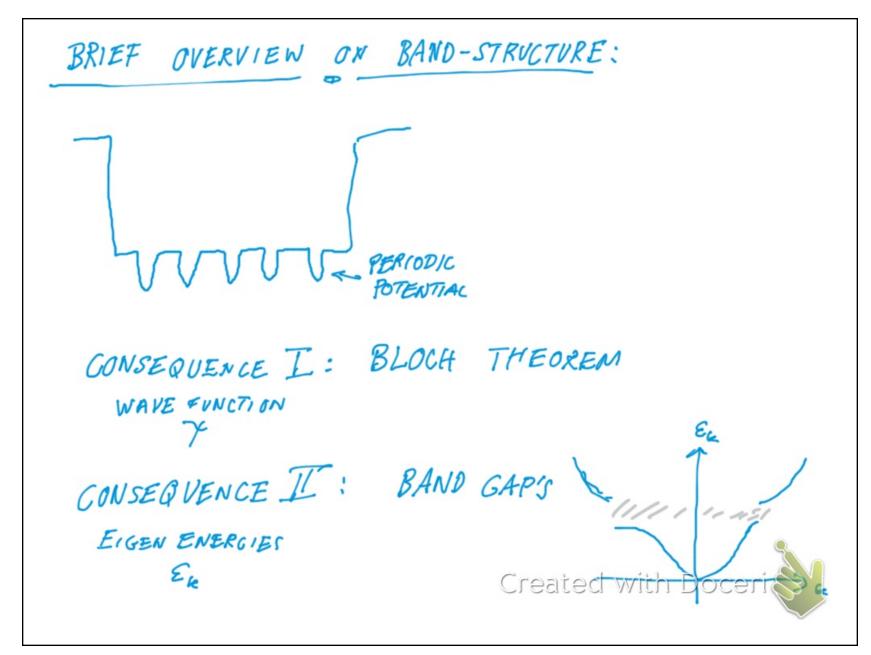
 $F(q) = \langle k_{f} | V(r) | k_{i} \rangle$   $= \int e^{-ik_{f}r} V(r) e^{ik_{i}r} dr$ 

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BRIEF SUMMARY OF ELASTIC SCATTERING THEORY Scattering Triangle Plane-waves SCATTERING PROBABILITY FERMI GOLDEN ROLE P=20 / (kg/V(r)/k; >/8(Eg-E.) WE EVALUATED (kg | V(+) | ki > -> SOME INTEGRAL MANIPULATIONS -> F(q)Scq) W HERE S(q) = \( \sigma \) = \( \sigma \) = \( \sigma \) = \( \sigma \) Created with Doceri

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