

Study of Charge Transfer and Structure Factor Calculation of Europium Selenide (EuSe)

Shanmuga Sundaram Aripionammal and Somasundarapandian Kameswaran Rathiha

Department of Physics, Gandhigram Rural Institute, Deemed University, Gandhigram – 624302,
Dindigul District, Tamil Nadu, India

Reprint requests to S. S. A.; E-mail: arikumar67@yahoo.co.in

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The presence of charge transfer in EuSe is analyzed by experimental and theoretical X-ray diffraction data. The direction and amount of charge transfer are inferred by plotting and comparing the structure factor of the components. Thus a charge transfer of 0.22 electrons is obtained in EuSe from europium (Eu) to selenium (Se).

Key words: EuSe; Charge Transfer; Valence Fluctuation; XRD.

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