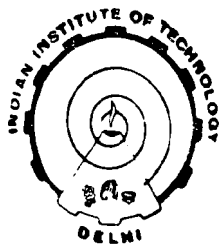


# LATTICE DYNAMICAL STUDY OF HEXAGONAL CLOSE PACKED METALS

by  
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*Theses submitted to*  
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*in partial fulfilment of the degree of*  
**DOCTOR OF PHILOSOPHY**



Department of Physics  
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1988

*DEDICATED TO*

*MY BELOVED*

*SRI K. THULASIAH VANDAYAR*

*AND*

*MY FAMILY*

*...*

CERTIFICATE

*This is to certify that the thesis entitled "LATTICE DYNAMICAL STUDY OF HEXAGONAL CLOSE PACKED METALS" submitted by Mr. A.Thayumanavan to the Indian Institute of Technology, Delhi, for the award of the DEGREE OF DOCTOR OF PHILOSOPHY in PHYSICS is a record of bonafide research work carried out by him. Mr. A. Thayumanavan has worked under my guidance and supervision and has fulfilled the requirements for the submission of his thesis.*

*The results obtained in this thesis have not been submitted, in part or full, to any other University or Institution for the award of any degree or diploma.*

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