

Mathematical Physics
Final Honours and Diploma

Solid State (MP464)

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Textbooks:

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| 1. J.R. Hook and H.E. Hall, Solid State Physics 2nd edition (1991) Wiley | 530.41 HOO |
| 2. C. Kittel, Introduction to Solid State Physics, 7th Edition (1996) Wiley | 530.41 KIT |
| 3. N.W. Ashcroft and N.D. Mermin, Solid State Physics, (1976) Holt, Rinehart and Winston | 530.41 ASH |

Topics:

1. Crystal Structure
2. Reciprocal lattice
3. Crystal binding
4. Phonons
5. Electrons
6. Magnetism
7. Semi-conductors