NPTEL Video Course - Physics - Plasma Physics: Fundamentals and Applications

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Co-ordinating Institute - IIT - Delhi | IGNOU - Delhi

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Electromagnetic propagation at oblique angles to magnetic field in a plasma
Lecture 31 - Low frequency EM waves magnetized plasma
Lecture 32 - Electrostatic waves in magnetized plasma
Lecture 33 - Ion acoustic, ion cyclotron and magneto sonic waves in magnetized plasma
Lecture 34 - VIasov theory of plasma waves
Lecture 35 - Landau damping and growth of waves
Lecture 36 - Landau damping and growth of waves (Continued...)
Lecture 37 - Anomalous resistivity in a plasma
Lecture 38 - Diffusion in plasma
Lecture 39 - Diffusion in magnetized plasma
Lecture 40 - Surface plasma wave
Lecture 41 - Laser interaction with plasmas embedded with clusters
Lecture 42 - Current trends and epilogue