

Lecture 33

Perturbation theory: perturbations for self-adjoint eigenproblems, with application to computing losses in dissipative (slightly non-Hermitian) wave problems. Connection to Hellman-Feynman theorem. Showed that group velocity $d\omega/dk$ can be evaluated via Hellman-Feynman, and yields a ratio of energy flux to energy density: an "energy velocity".

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18.303 Linear Partial Differential Equations: Analysis and Numerics
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