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The method of characteristics. Conservation laws and

propagation of shocks. Basic theory for three classical equations of mathematical physics (in all spatial dimensions): the wave equation, the ...

MATH.4450 Partial Differential Equations (Formerly 92.445)
The study of physical phenomena by means of mathematical models often leads to certain nonlinear partial differential equations which reveal a surprisingly rich mathematical structure. The study of ...

Gino Biondini
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Randall Pyke
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