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ø \ ° : shyue@math.ntu.edu.tw
fi ‘ : ł = 10:10–12:00 or by appointment

> h : Randall J. LeVeque, *Numerical Methods for Conservation Laws*,
Birkhäuser-Verlag, 2nd Edition, 1992

5 ª : fi … W ″ : 50% (including some programming work)
˘ : 50% (may be either theoretical or numerical)

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‘ a F ›] & 9 @ j I . fi A shallow water equations for geophysical problems, relativistic equations for astrophysical flows, C Euler equations for gas dynamics 3 ˝ & ˘ | R. LeVeque> 0 h x , ˝ 8 n h C Z ⁄ B , A [1, 2, 3, 4], 0 ˆ ˝ ‘ a F ›] . Š ¡ (shock waves, entropy solutions, Riemann problem) C ´ * » (upwind method, high-resolution method), ˝ ‹ > 0 , LeVeque> 0 X s " 8 CLAWPACKT AMRCLAW (joint work with Marsha Berger, NYU).

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