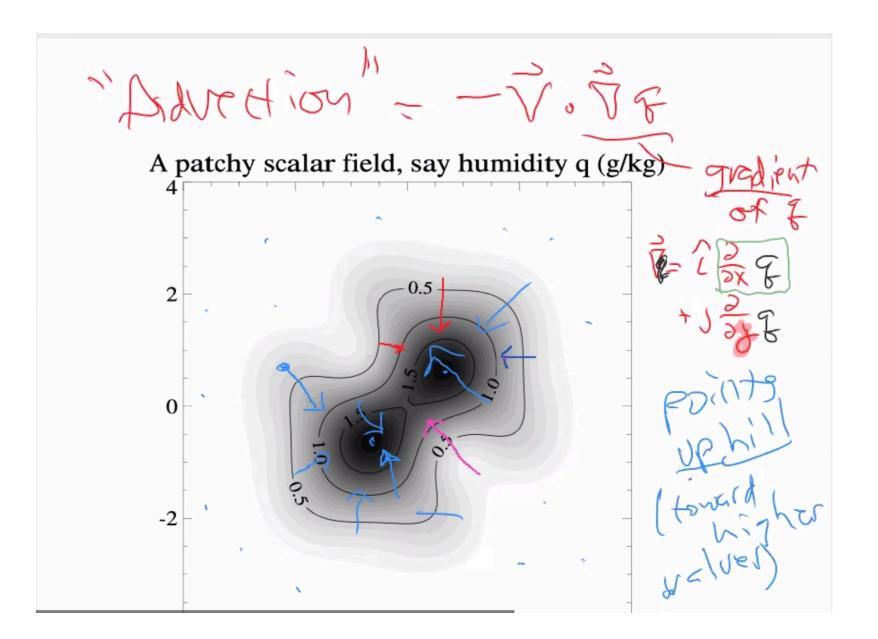
consund stuff Transpora" of (Eulenay) vs (Lasvangian d/dt) d/at For definiteness, consider water rapor mass concentration (or specific humidity) > flux and its convergence kgain) advective of lux of vapors flux of mass * 5" transport WH pas_5 26 - 48 - NOX - VDY - W 28 27 - 48 - NOX - VDY - W 38 advection: -V. TE Consider PEV TOXX



A closer look at 1 (totally conserved), Mass fly = PV = ((Qu) +) (pv) + /e (pw) A! west side D: northside

B: Enst side E: bottom

C: south side F: top. mass accomo lation in box (per unit ublume) is:

[(PU)_A-(PU)_B+ [(PV)_-(PV)_p) + [(PW)_E-(PW)_F]

wintland outries) . Dx (eu) + terms involving px exiMass accomunation in box per unit volume:

(Ax. Sx(Pn) + Dy Sy(pv) + D252(Pu)) DX DY DZ