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Fluids y ρ = ρ2 ρ = ρ1 x FIGURE 1.3 Flow of density-stratified fluid in which Dρ/Dt = 0 but for which ∂ρ/∂x ≠ 0 and ∂ρ/∂y ≠ 0.

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following value for : 2 22 2 2 22 2 u v w u v w x y z x y z u v u w v w y x z x z y For a monotonic gas, the Stokes relation requires that 2 /3 .

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