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2022 explain the consequences of the equation of continuity to the conservation of mass the first part of this chapter dealt with fluid statics the study of fluids at rest the rest of this chapter deals with fluid dynamics the study of fluids in motion even

the most basic forms of fluid motion can be quite complex

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□□□ thus it is useful to use the eulerian description or control volume approach and describe the flow at every fixed point in space $x y z$ as a function of time t reading 3 $z x w u$ figure 1 an eulerian description gives a velocity vector at every point in $x y z$ as a function of time in an eulerian velocity field velocity is a

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