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CALCULUS III - Á» Department of Mathematics

Chapter 18 Vector Calculus 282 x 18.1. Vector Fields A vector field is an association of a vector to each point X of a region R : (18.2) $F(x; y z) = \dots$. Thus, it is the velocity field of the fluid that is the object of study, rather than the equations of motion. It can be shown that the velocity field completely determines the motion.

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