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Vector Calculus Michael Corral SchoolcraftCollege. About the author: ... The PDF version will always be freely available to the public at no cost ... In vector (or multivariable) calculus, we will deal with functions of two or three variables (usually x,y or x,y,z , respectively).

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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.

Vector Calculus - Math

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