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Jeffrey R. Chasnov

1 Vectors in Euclidean Space 1.1 Introduction In single-variable calculus, the functions that one encounters are functions of a variable (usually x or t) that varies over some subset of the real number line (which we denote by \mathbb{R}). For such a function, say, $y=f(x)$, the graph of the function f consists of the points $(x,y)=(x,f(x))$.These points lie in the Euclidean plane, which, in the Cartesian ...

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