

# Download Gradient And Divergence

In vector calculus, the gradient is a multi-variable generalization of the derivative. Whereas the ordinary derivative of a function of a single variable is a scalar-valued function, the gradient of a function of several variables is a vector-valued function. Le gradient d'une fonction de plusieurs variables en un certain point est un vecteur qui caractérise la variabilité de cette fonction au voisinage de ce point. where the surface integral gives the value of integrated over a closed infinitesimal boundary surface surrounding a volume element , which is taken to size zero using a limiting process. The gradient is a fancy word for derivative, or the rate of change of a function. It's a vector (a direction to move) that. Points in the direction of greatest increase of a function (intuition on why)