Local Maxima/Minima

- 1 Review of Critical Points and Local Maxima/Minima
- 2 Critical Points of f(x,y)
- 3 Multivariable Second Derivative Test
- 3.1 One Possible Way to Remember the Second Derivative Test
- 4 Critical Points of f(x, y, z)

Note: Classifying critical points of f(x, y, z) is more complicated. This topic isn't discussed in many multivariable calculus textbooks.

Where does the Second Derivative Test come from? The answer: linear algebra and the multivariable Taylor series.