

Part C: Summary of values and locations of maximum and minimum values

If you were to divide the 3D graph into two portions - left and right portions - you would see that the location of the max/min is in the center

Part D:

The “meshgrid” function in the form, $[X,Y] = \text{meshgrid}(x,y)$, changes the domain specified by vectors x and y into arrays X and Y , which is used to evaluate functions of two variables and three-dimensional mesh/surface plots.

Part E: Description of plots and how they make sense

The 2D plot has some of its characteristics featured in the 3D plot. For example, the 2D plot has some dips and rises which are also shown in the same pattern on the 3D plot. This was also shown in the Micah Stickel video for this lab.