

Quadric Surfaces

Technology Exercise 1

20 points

Use Word, DPGraph, and the Equation Editor to create a document about quadric surfaces.

Incorporate the information from the tables on page 846 and page 851, but treat each quadric surface separately instead of putting the information into a table. Include the surface name, the general form of the equation, and a graph of the quadric surface.

Include information about the traces and include graphs to illustrate. For example, a trace in the xy -plane would be a z -slice with $z=0$ in DPGraph. A plane parallel to the xy -plane would be a z -slice with z equal to some other value.

Include two examples with graphs of each quadric surface.

Do a complete job, you may use your document on the exam.