

Today

1. Roster
2. Questions from last time
3. 12.6
4. WeBWorK
5. Homefun/Python

12.6 Quadric Surfaces

1. A **cylinder** is the set of points lying on the lines that are parallel to a given line and passing through a given curve. Not just a right circular cylinder!
2. A **quadric surface** is the graph of all solutions to a quadratic equation in three variables. See p. 808.
3. A **trace** of a surface is a cross-section parallel to one of the coordinate planes.
4. Naming conventions: two cross-sections of X and one of Y give a Y-ic X-oid.

Next Time

1. Watch 13.1 [\sim 35 minutes]