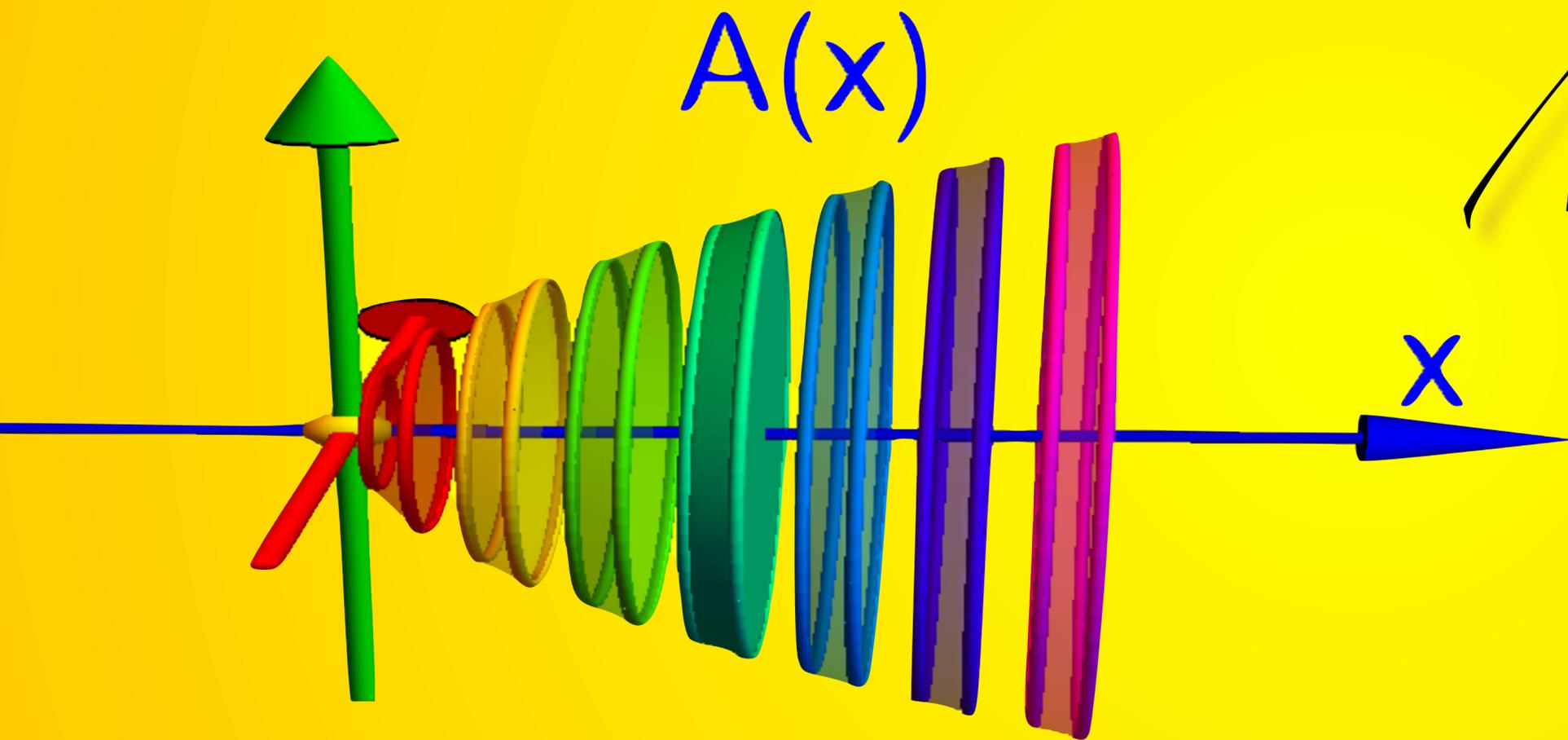


Lecture 9

More triple

Integrals



Mini Exam

Thursday

Table of Contents

1) Double integral outside

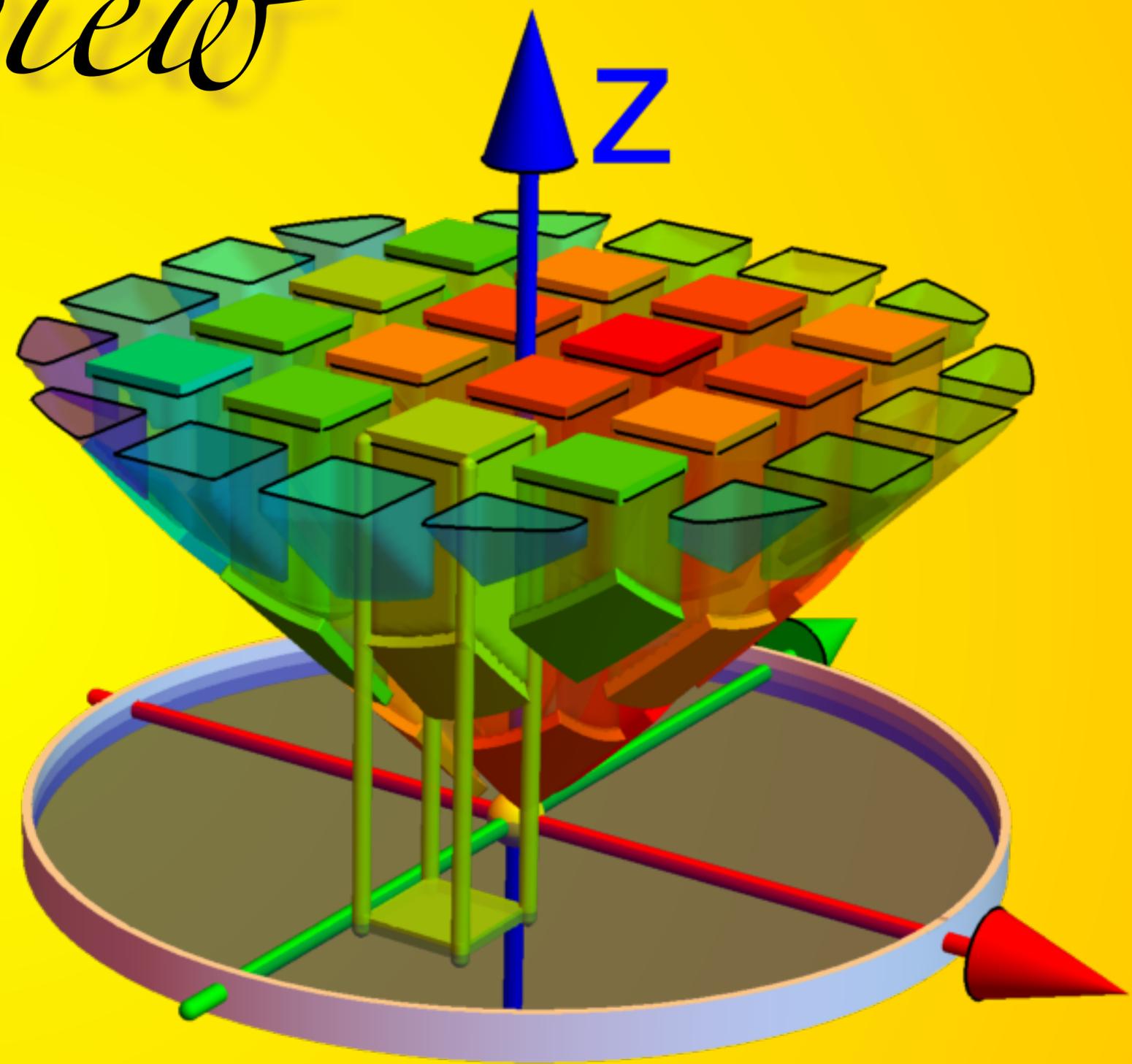
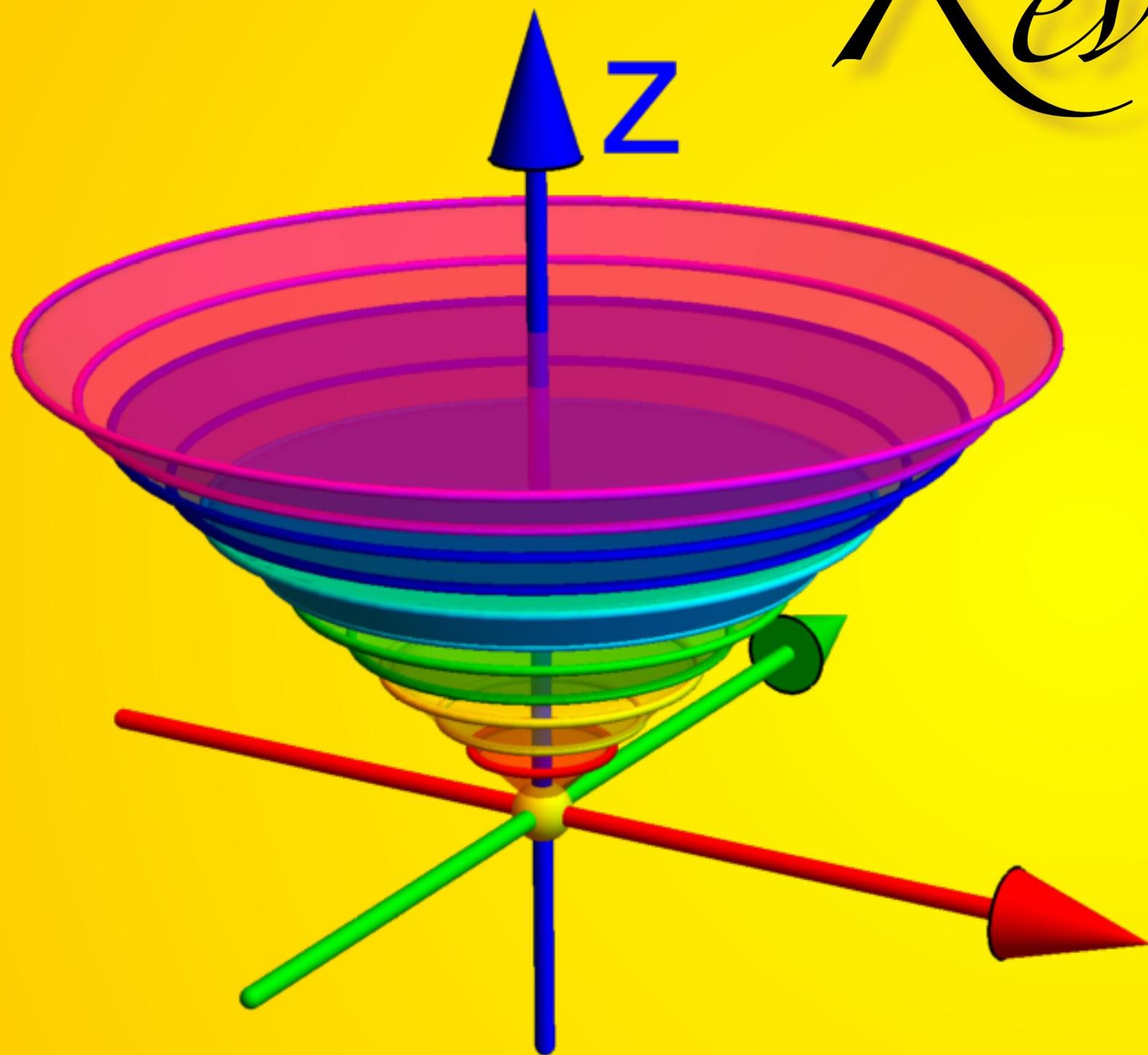
2) Double integral inside

3) The Octahedron

4) The Sphere

5) Worksheet problems

Review

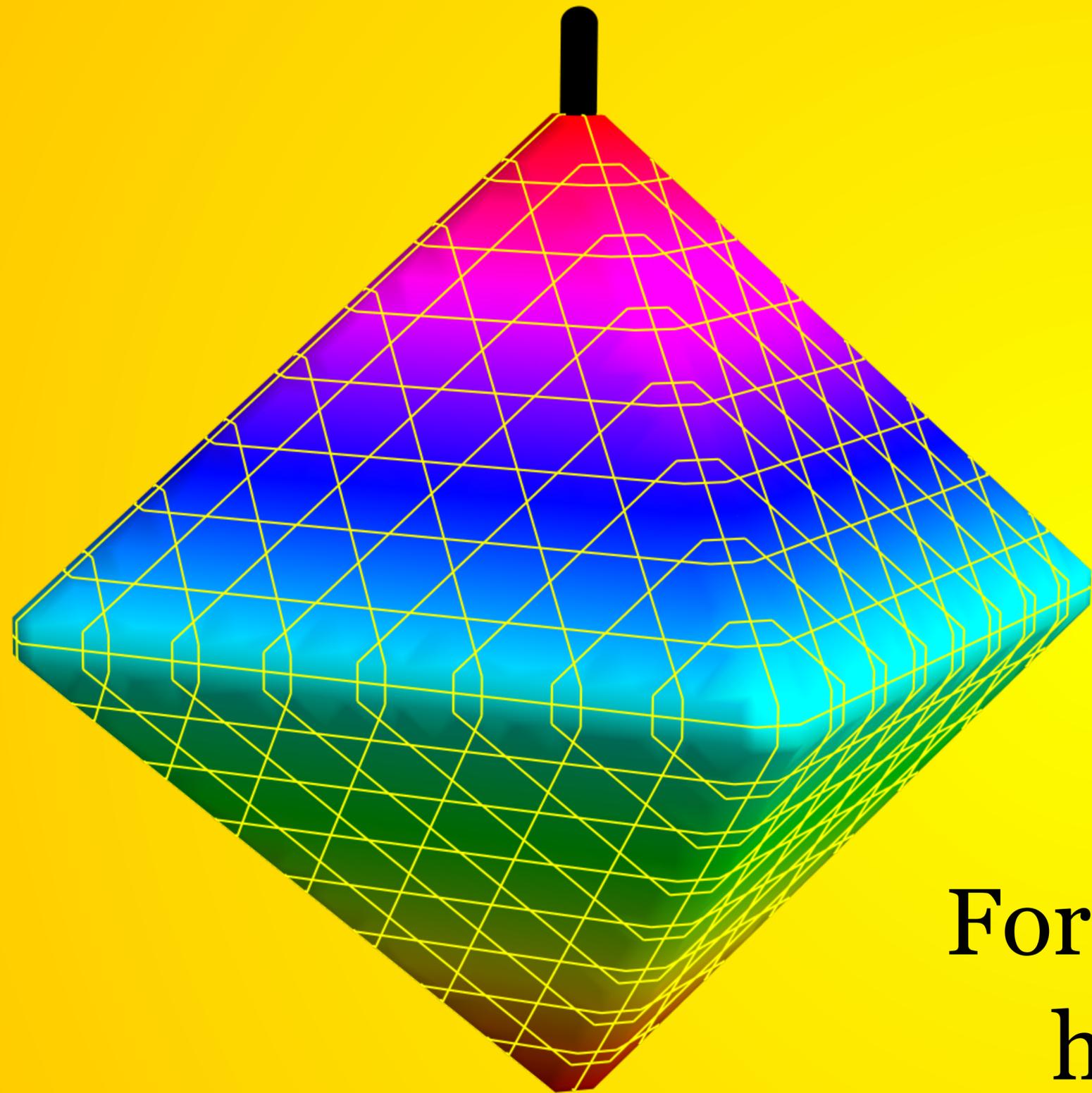


Typical Setup



$$\int_a^b \iint_{R(z)} f(x, y, z) \, dA \, dz$$

Octahedron



$$\int_a^b \iint_{R(z)} 1 \, dz dA = \int_a^b A(z) \, dz$$

For the frises method, we would
have to split the region up

Worksheet

Homework due Monday

THE END