

**Problem statement** Rewrite the integral

$$\int_0^1 \int_0^{2x} \int_0^{3y} H(x, y, z) dz dy dx$$

as a  $dx dy dz$  integral.

**Note** The integral can't be computed since no information about  $H$  is given. You probably should begin by sketching, as accurately as possible, the volume over which the triple iterated integral is taken.