Triple Integral: Integral of 3-variable functions. Input: region R 3-dim. Out put: #. Riemann Sum. JSS f(x,y,z).dV. f(x, y, z). - Rewrite triple internal to iterated integral A only about R. - Compute iterated integral. eg. Region is bonded by X+y+ ==1 X=0 y =0 Z = 0. fix, y, = 1= x.y. 3. $\frac{2}{(0,0,1)} \begin{cases}
(0,y,\frac{2}{2}) & \text{if } f(x,y,\frac{2}{2}) = dV \\
(0,0,\frac{2}{2})(0,1-\frac{2}{2},\frac{2}{2}) & = \int_{-\frac{1}{2}}^{1} \int_{-\frac{2}{2}}^{1-\frac{2}{2}} \int_{-\frac{1}{2}}^{1-\frac{2}{2}} \int$ dy dz = \int_{1-\frac{1}{2}}^{0}\int_{1-\frac{1}{2}}^{0}\frac{(1-\frac{1}{2}-\frac{2}{2})^{2}}{(1-\frac{1}{2}-\frac{2}{2})^{2}}\frac{1}{2}.\frac{2}{2} dydz

reduce to double integral iterated.

