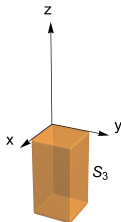
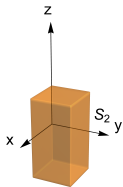
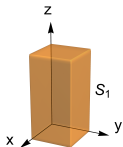


Triple Integrals



Question

The solids S_k ($k = 1, 2, 3$) shown are congruent. Rank the triple integrals $I_k = \iiint_{S_k} (y - x) dV$ from smallest to largest.



A. $I_1 < I_2 < I_3$

C. $I_1 = I_2 = I_3$

B. $I_3 < I_2 < I_1$

D. None of the these