

# $K_4$ Laplacian Eigenvectors Span $\mathbb{R}^3$ (multiplicity 3 $\Rightarrow$ d = 3 spatial dimensions)

$v_1 = (1, -1, 0, 0)/\sqrt{2}$

$v_2 = (1, 1, -2, 0)/\sqrt{6}$

$v_3 = (1, 1, 1, -3)/\sqrt{12}$

