

1. For the FFD grid in Figure 1, where will the point \mathbf{P} be mapped to if $\mathbf{P}_{2,2}$ is moved to $(6, 4)$?

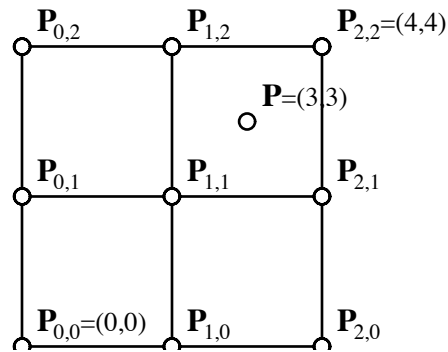


Figure 1: FFD Control Grid

2. For the FFD grid in Figure 1, where will the point \mathbf{P} be mapped to if $\mathbf{P}_{1,1}$ is moved to $(3, 3)$?
3. For the FFD grid in Figure 1, where will the point \mathbf{P} be mapped to if a weight of $w_{1,0} = 5$ is assigned to $\mathbf{P}_{1,0}$? All weights are initially 1.