

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  $(6, 4)$ ?

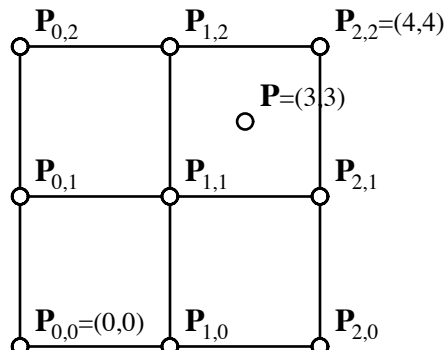


Figure 1: FFD Control Grid

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.