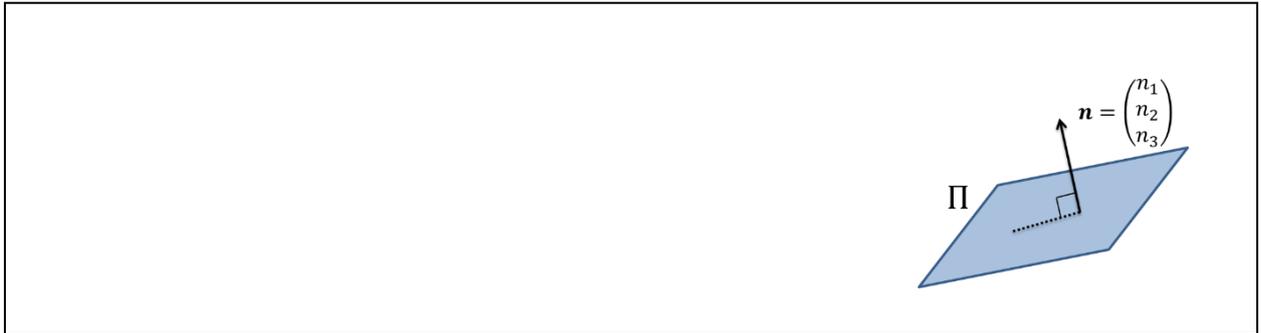


The Cartesian Equation of a Plane



Example

The plane Π is perpendicular to the normal $\mathbf{n} = 3\mathbf{i} - 2\mathbf{j} + \mathbf{k}$ and passes through the point P with position vector $8\mathbf{i} + 4\mathbf{j} - 7\mathbf{k}$. Find the Cartesian equation of Π .