multivariable calculus

MIT18.02,fall2007

1 Dot Product

x+2y+3z=0 equation of a plane Let $\overrightarrow{OP}=(x,y,z), \overrightarrow{A}=(1,2,3)$, then $\overrightarrow{OP}\cdot\overrightarrow{A}=0\Rightarrow P$ on a plane going through the origin point (O). Remember to use vectors in multivariable calculus!

2 Deteminants