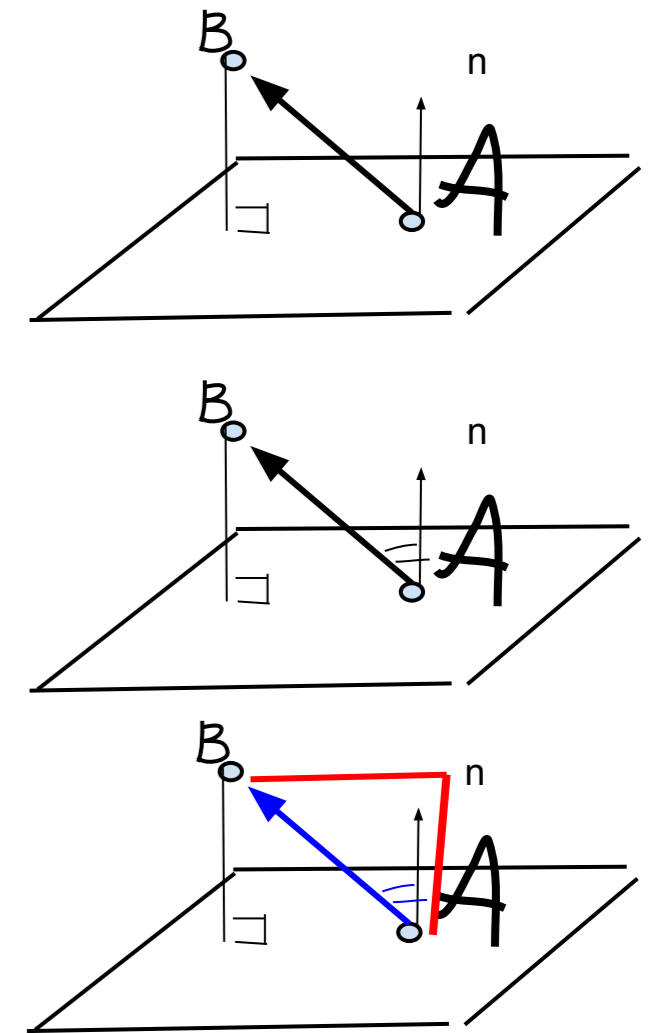
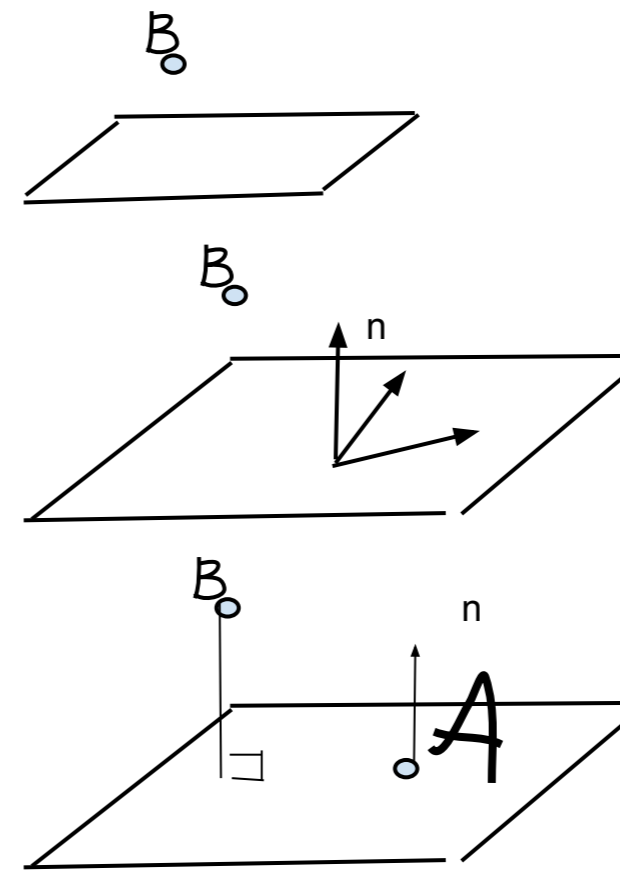


Расстояние от точки до плоскости

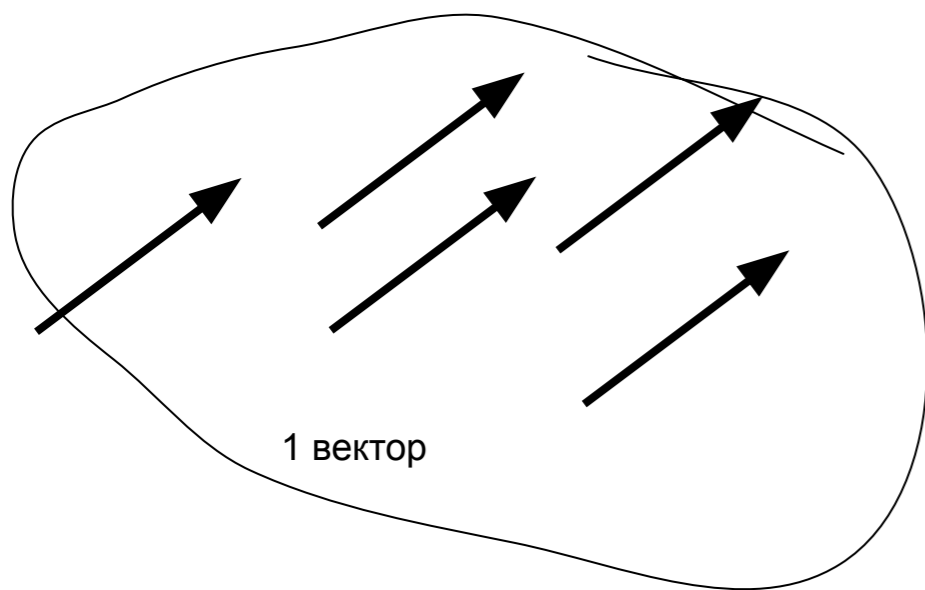
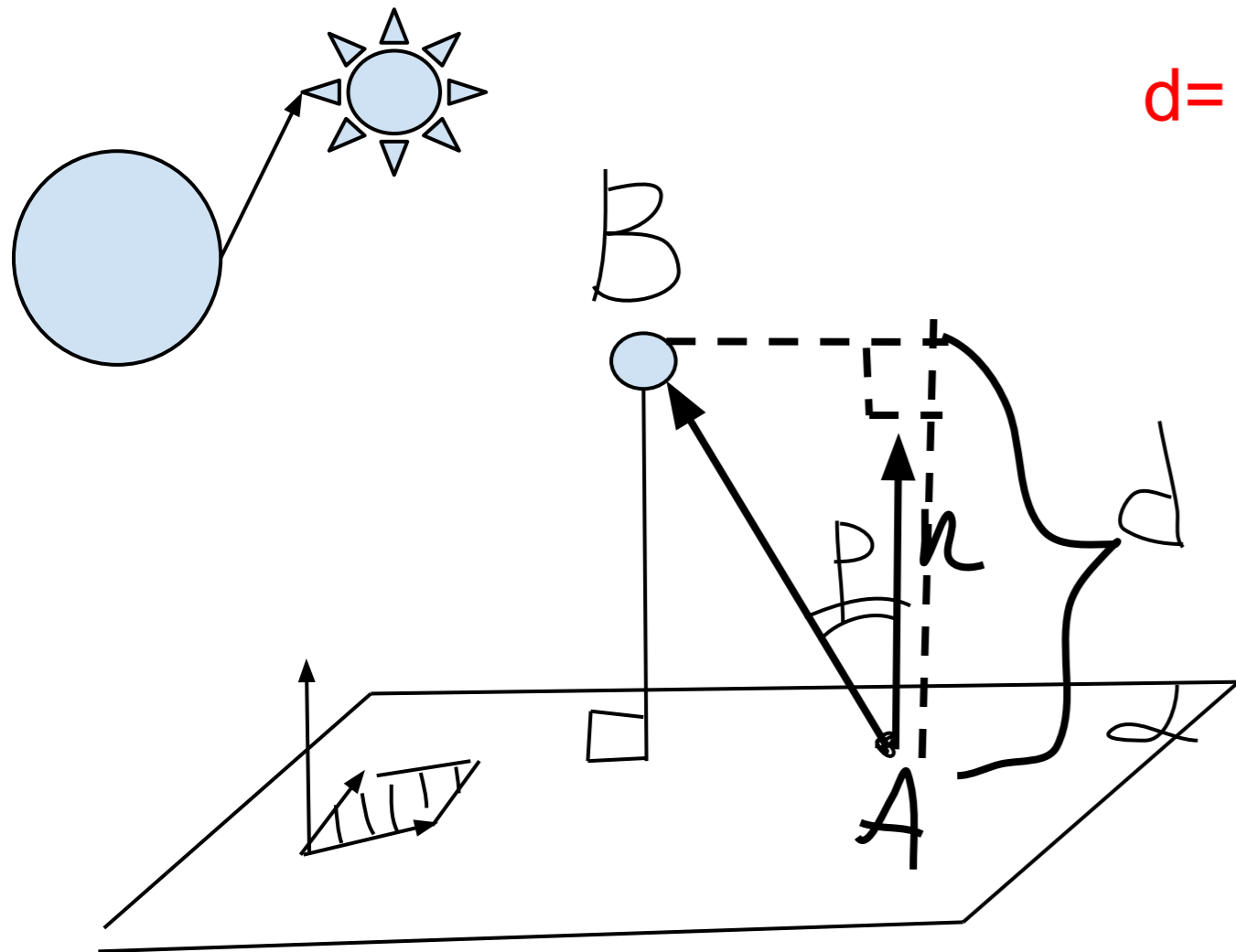
Общий метод - в координатах

$$d = |(AB, n)| / |n|$$



$$\begin{aligned} \cos \varphi &= d / |AB| \\ d &= |AB| \cdot \cos \varphi = |AB| \cdot (AB, n) / |AB| \cdot |n| = \\ &= (AB, n) / |n| = |(AB, n)| / |n| \end{aligned}$$

$$\begin{aligned} (AB, n) &= |AB| \cdot |n| \cdot \cos \varphi \\ \cos \varphi &= (AB, n) / |AB| \cdot |n| \end{aligned}$$



1 вектор