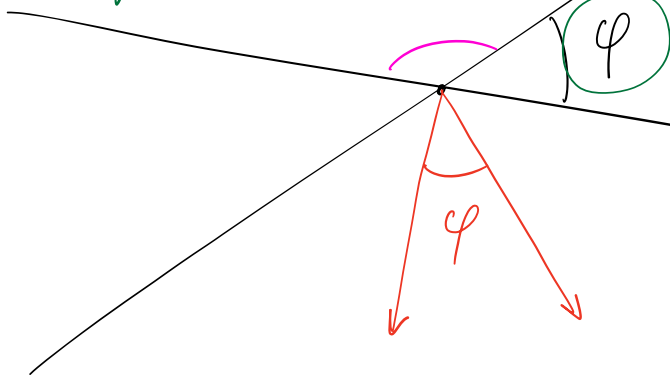


Angle entre 2 droites
sign

$$d_1: 3x - 2y + 5 = 0$$

$$\begin{pmatrix} 3 \\ -2 \end{pmatrix} = \vec{n}_1$$



$$d_2: x + y + 1 = 0$$

$$\begin{pmatrix} 1 \\ 1 \end{pmatrix} = \vec{n}_2$$

$$\cos \varphi = \frac{|\vec{n}_1 \cdot \vec{n}_2|}{\|\vec{n}_1\| \cdot \|\vec{n}_2\|} = \frac{|(-2) \cdot (1)|}{\sqrt{13} \cdot \sqrt{2}} = \frac{|3 \cdot 1 + (-2) \cdot 1|}{\sqrt{26}}$$

$$= \frac{1}{\sqrt{26}} \Rightarrow \varphi = \cos^{-1}\left(\frac{1}{\sqrt{26}}\right) \approx 78,69^\circ$$