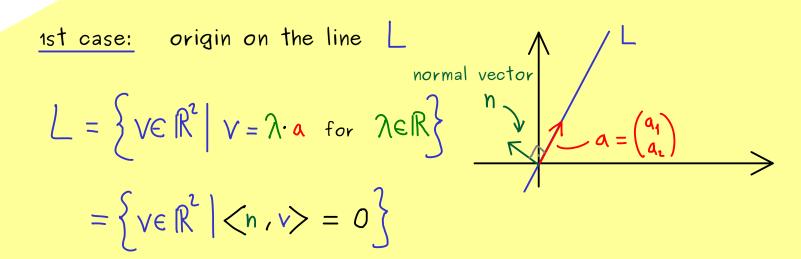
ON STEADY

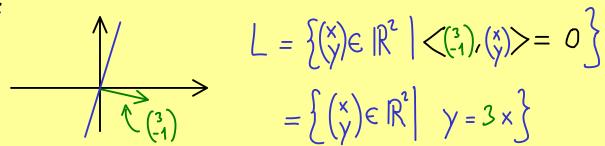
The Bright Side of Mathematics



Linear Algebra - Part 4



Example:

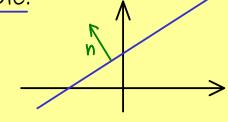


2nd case: origin not on line
$$L = \left\{ v \in \mathbb{R}^2 \mid \langle h, v - p \rangle = 0 \right\}$$

$$= \left\{ \begin{pmatrix} x \\ y \end{pmatrix} \in \mathbb{R}^2 \mid h_1 x + h_2 y = \delta \right\}$$

$$S := \langle n, p \rangle$$

Example:



$$L = \left\{ \begin{pmatrix} x \\ y \end{pmatrix} \in \mathbb{R}^2 \mid y = 2x + 5 \right\}$$

$$-2x + y = 5$$

$$\delta = 5$$