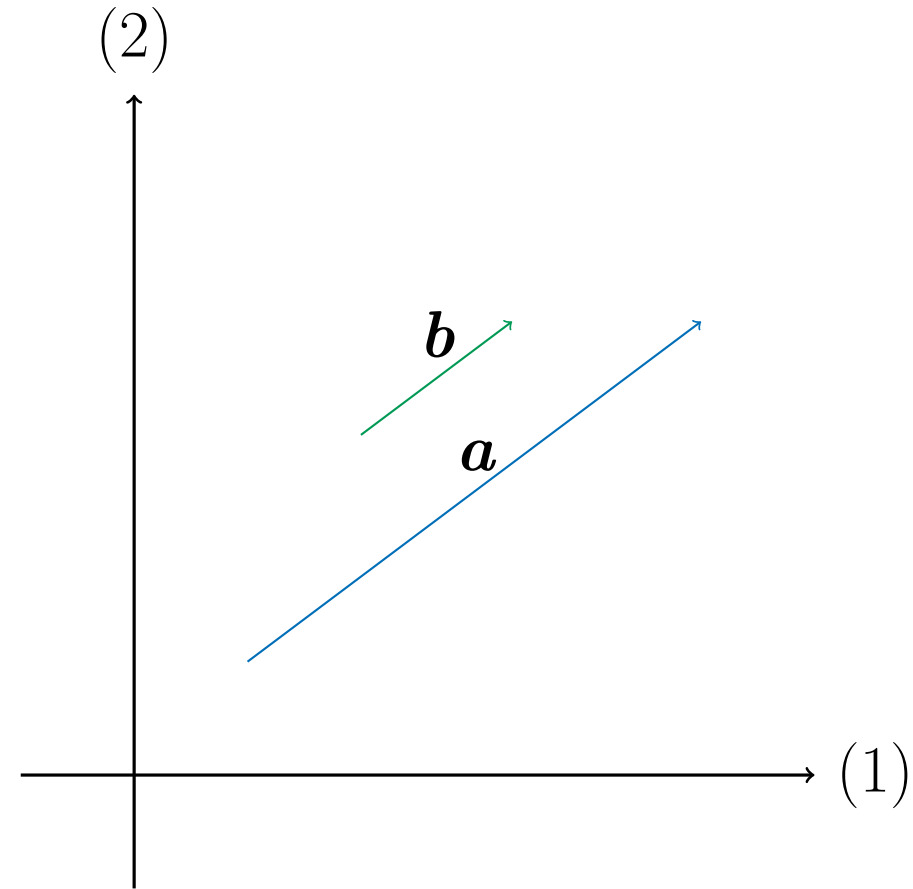


Parallele vektorer

To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

$$\mathbf{a} = t \cdot \mathbf{b}$$



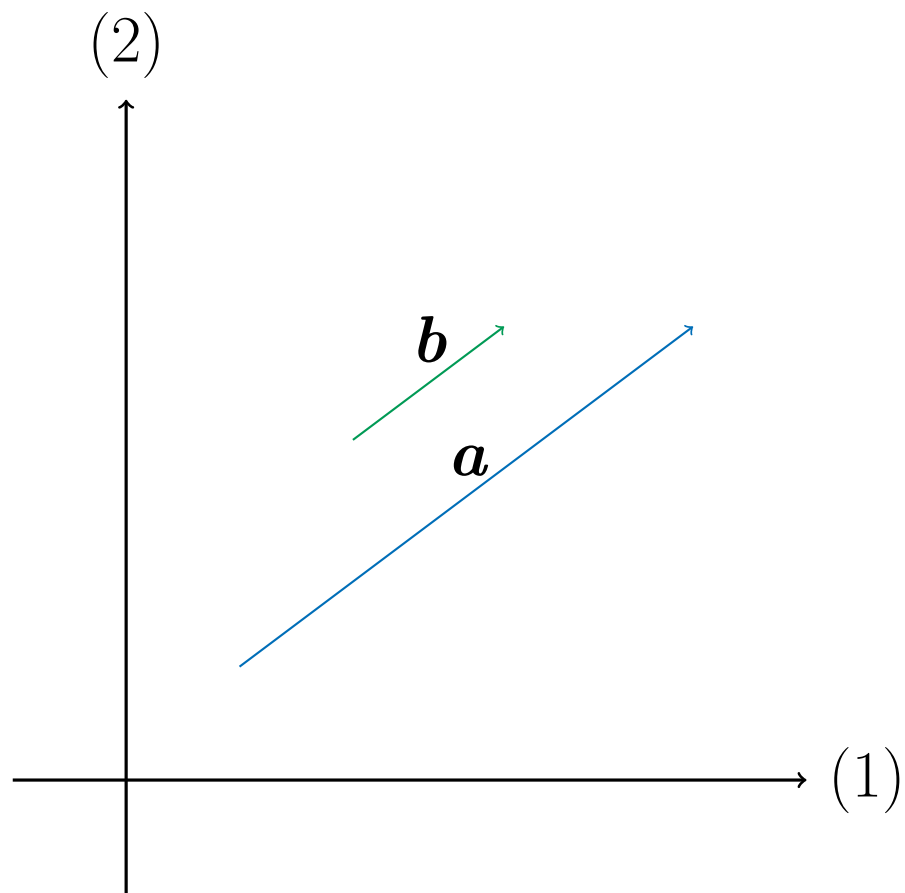
Parallele vektorer

To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

$$\mathbf{a} = t \cdot \mathbf{b}$$

Determinanten for \mathbf{a}, \mathbf{b} er

$$\det(\mathbf{a}, \mathbf{b}) = a_1 \cdot b_2 - a_2 \cdot b_1$$



Parallele vektorer

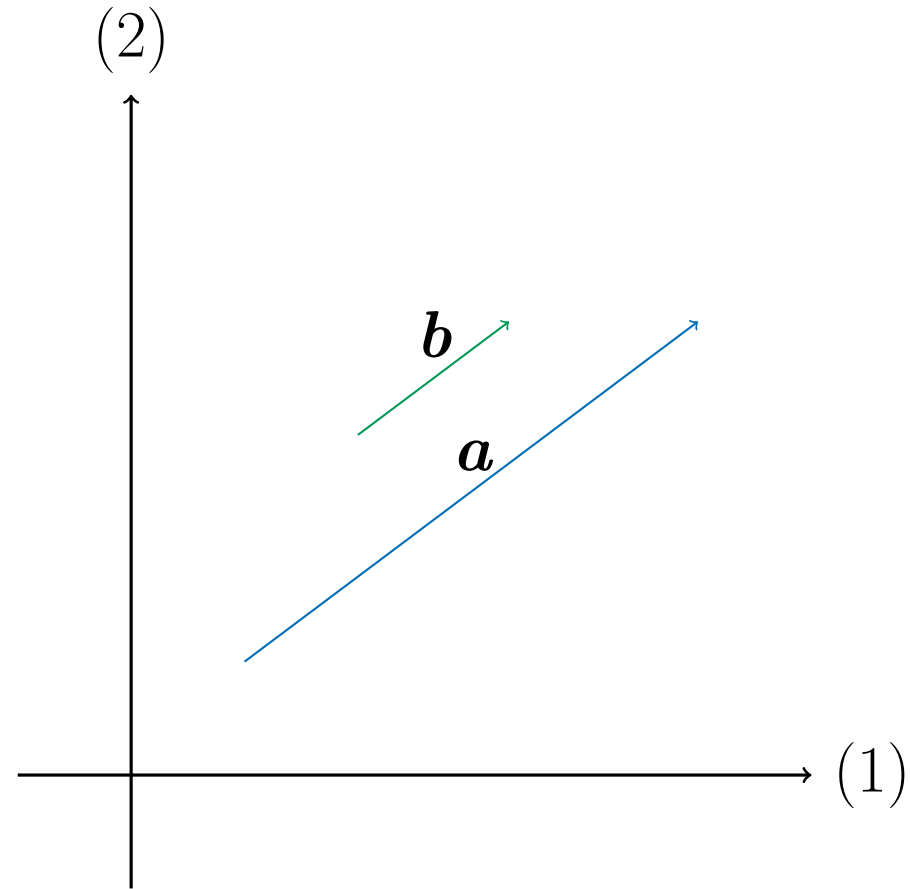
To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

$$\mathbf{a} = t \cdot \mathbf{b}$$

Determinanten for \mathbf{a}, \mathbf{b} er

$$\det(\mathbf{a}, \mathbf{b}) = a_1 \cdot b_2 - a_2 \cdot b_1$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \det(\mathbf{a}, \mathbf{b}) = 0$$



Parallele vektorer

To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

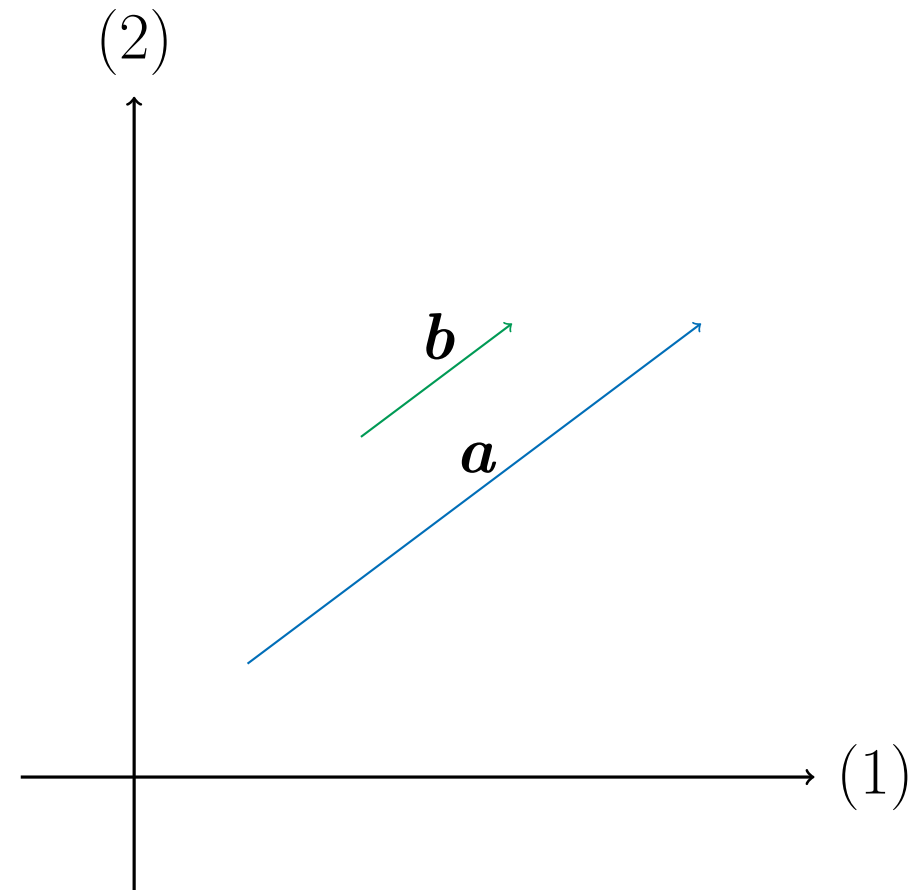
$$\mathbf{a} = t \cdot \mathbf{b}$$

Determinanten for \mathbf{a}, \mathbf{b} er

$$\det(\mathbf{a}, \mathbf{b}) = a_1 \cdot b_2 - a_2 \cdot b_1$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \det(\mathbf{a}, \mathbf{b}) = 0$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \mathbf{a} = t \cdot \mathbf{b} \Leftrightarrow$$



Parallele vektorer

To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

$$\mathbf{a} = t \cdot \mathbf{b}$$

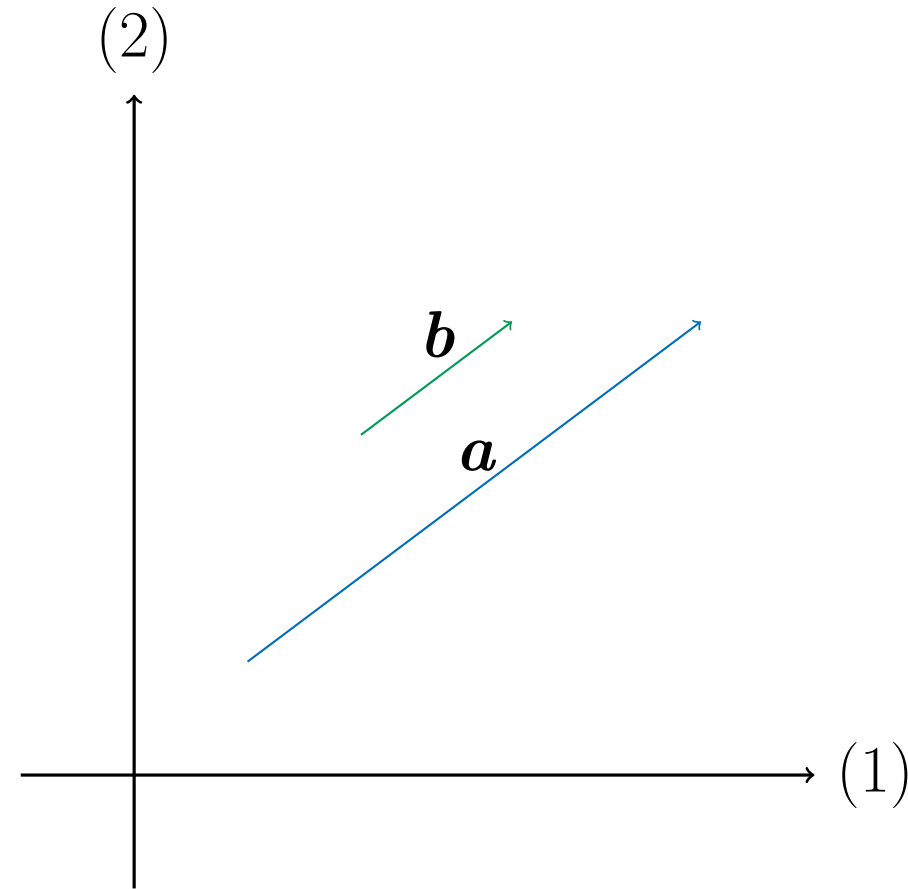
Determinanten for \mathbf{a}, \mathbf{b} er

$$\det(\mathbf{a}, \mathbf{b}) = a_1 \cdot b_2 - a_2 \cdot b_1$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \det(\mathbf{a}, \mathbf{b}) = 0$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \mathbf{a} = t \cdot \mathbf{b} \Leftrightarrow$$

$$a_1 \cdot b_2 - a_2 \cdot b_1 = t \cdot b_1 \cdot b_2 - t \cdot b_2 \cdot b_1 \Leftrightarrow$$



Parallele vektorer

To vektorer \mathbf{a} og \mathbf{b} er parallelle hvis og kun hvis

$$\mathbf{a} = t \cdot \mathbf{b}$$

Determinanten for \mathbf{a}, \mathbf{b} er

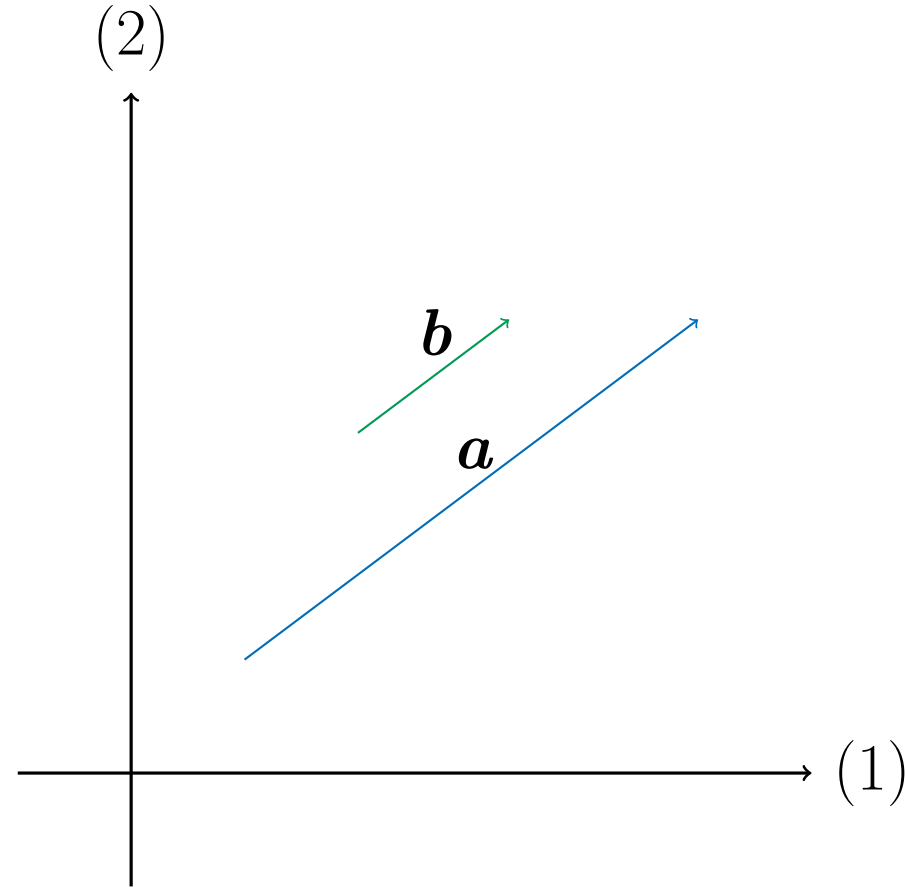
$$\det(\mathbf{a}, \mathbf{b}) = a_1 \cdot b_2 - a_2 \cdot b_1$$

$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \det(\mathbf{a}, \mathbf{b}) = 0$$

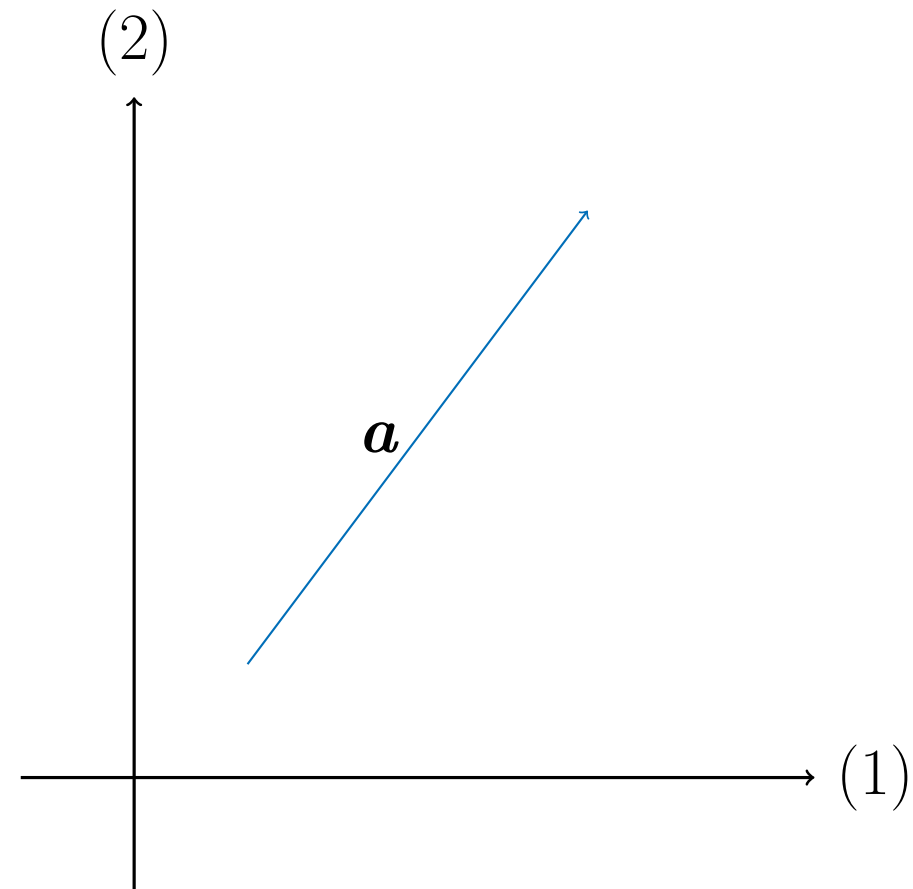
$$\mathbf{a} \parallel \mathbf{b} \Leftrightarrow \mathbf{a} = t \cdot \mathbf{b} \Leftrightarrow$$

$$a_1 \cdot b_2 - a_2 \cdot b_1 = t \cdot b_1 \cdot b_2 - t \cdot b_2 \cdot b_1 \Leftrightarrow$$

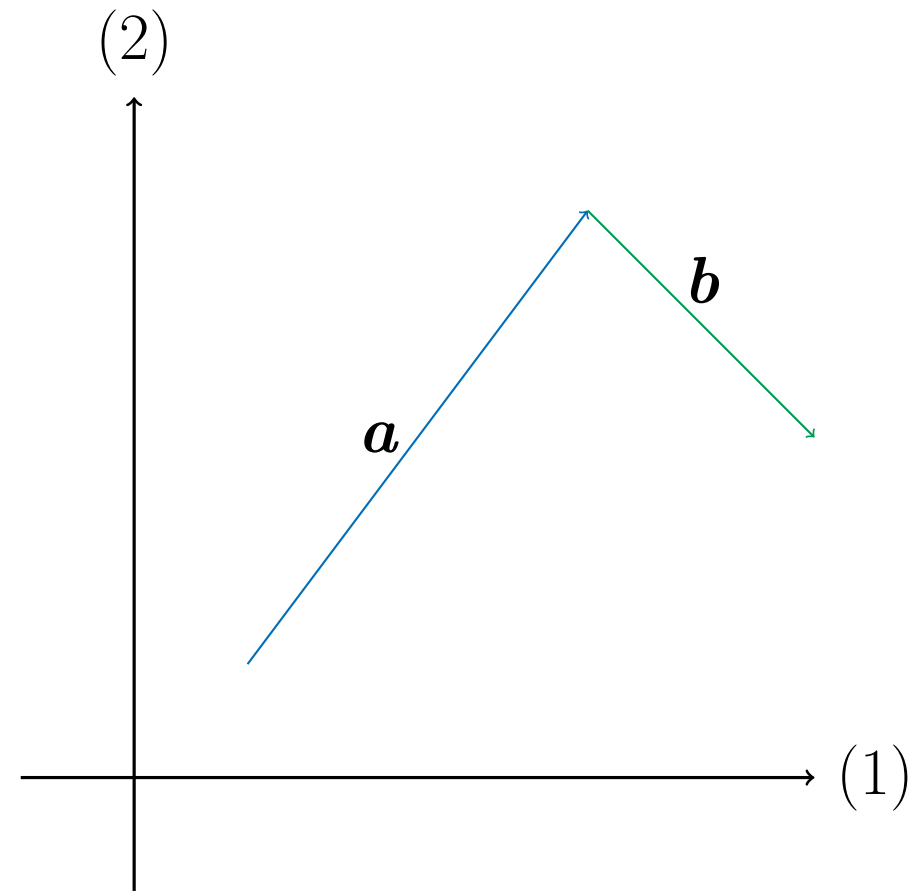
$$\det(\mathbf{a}, \mathbf{b}) = 0$$



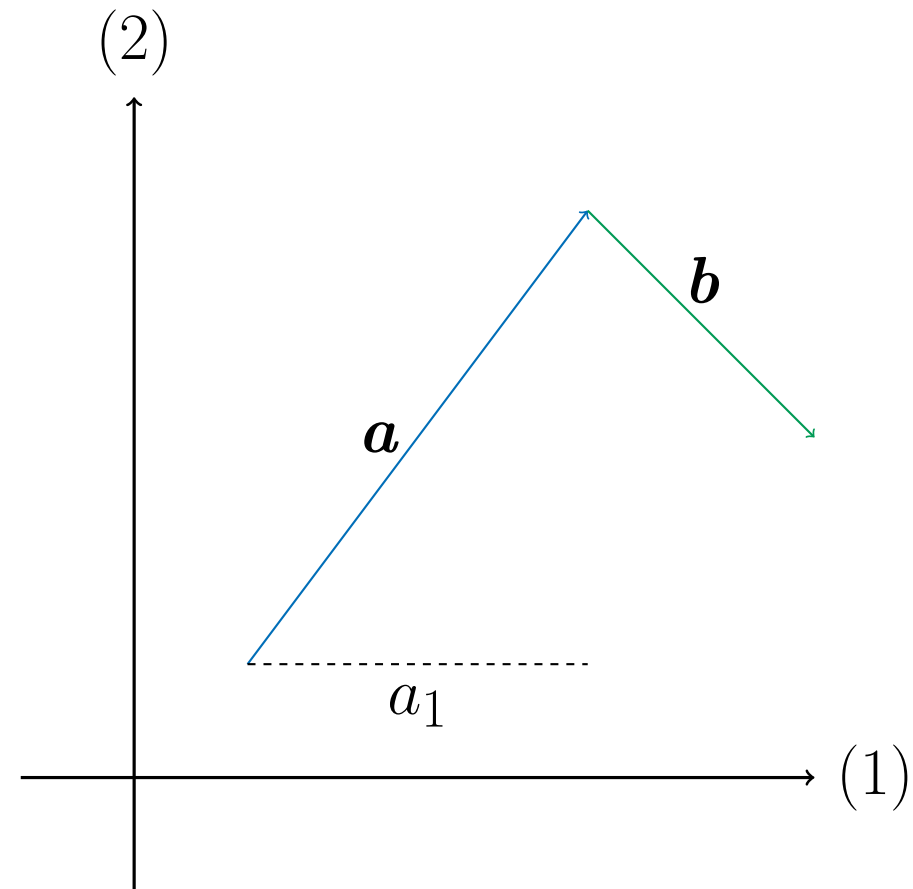
Sum mellem af vektorer



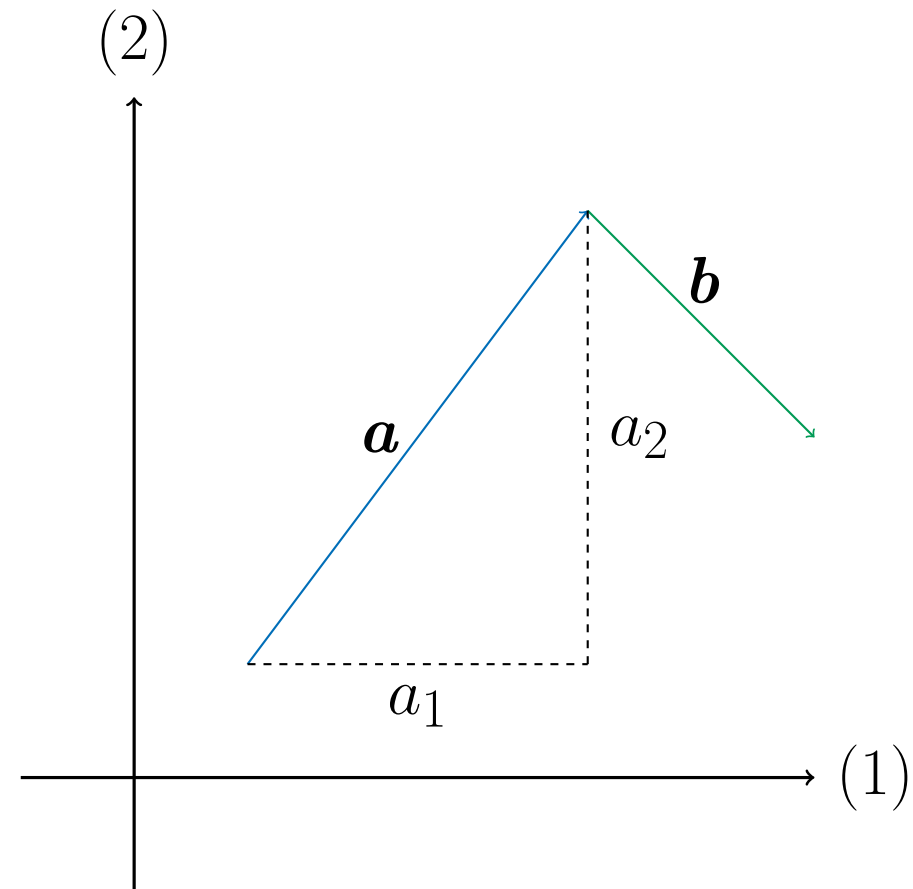
Sum mellem af vektorer



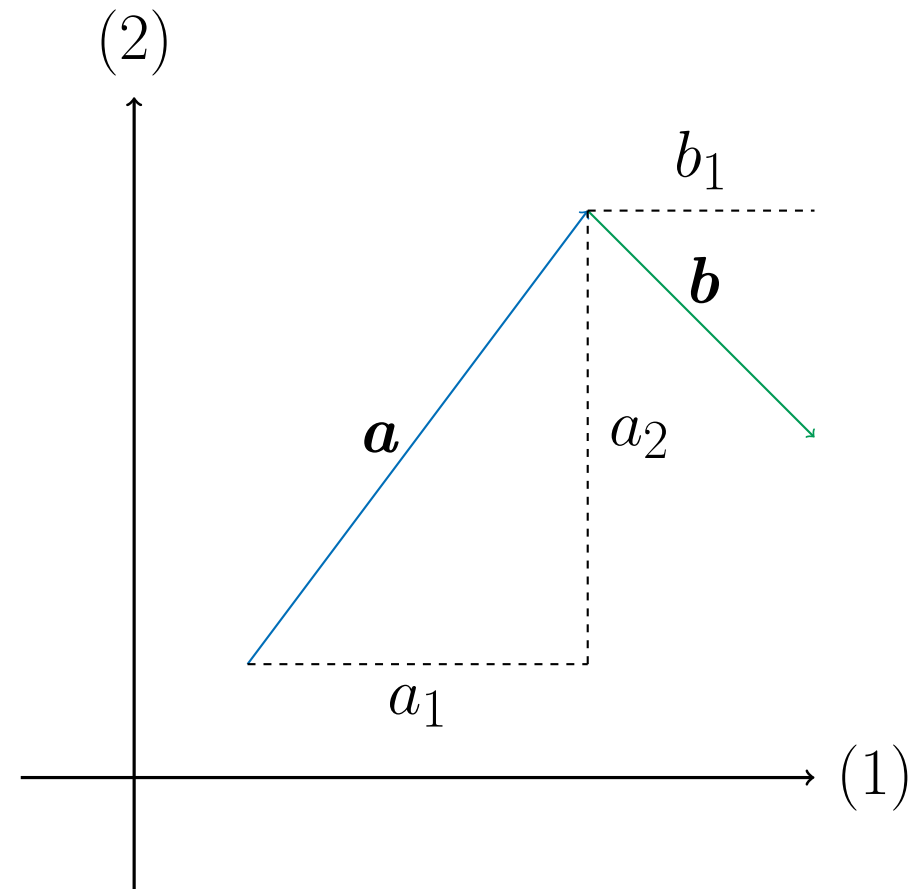
Sum mellem af vektorer



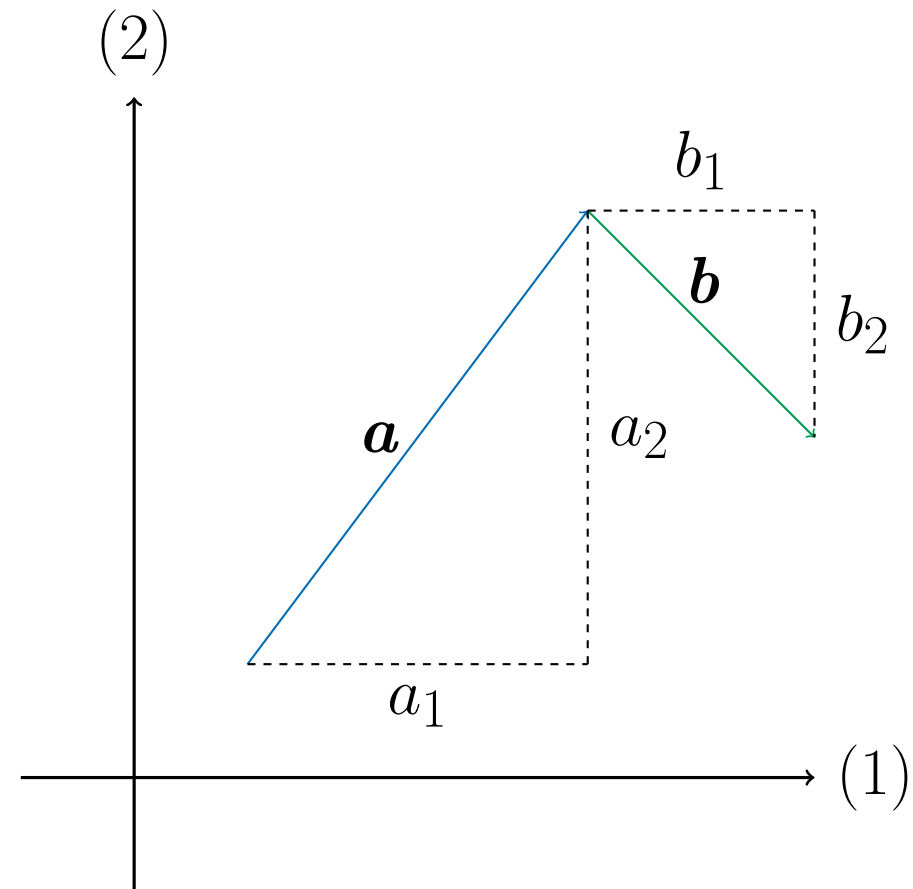
Sum mellem af vektorer



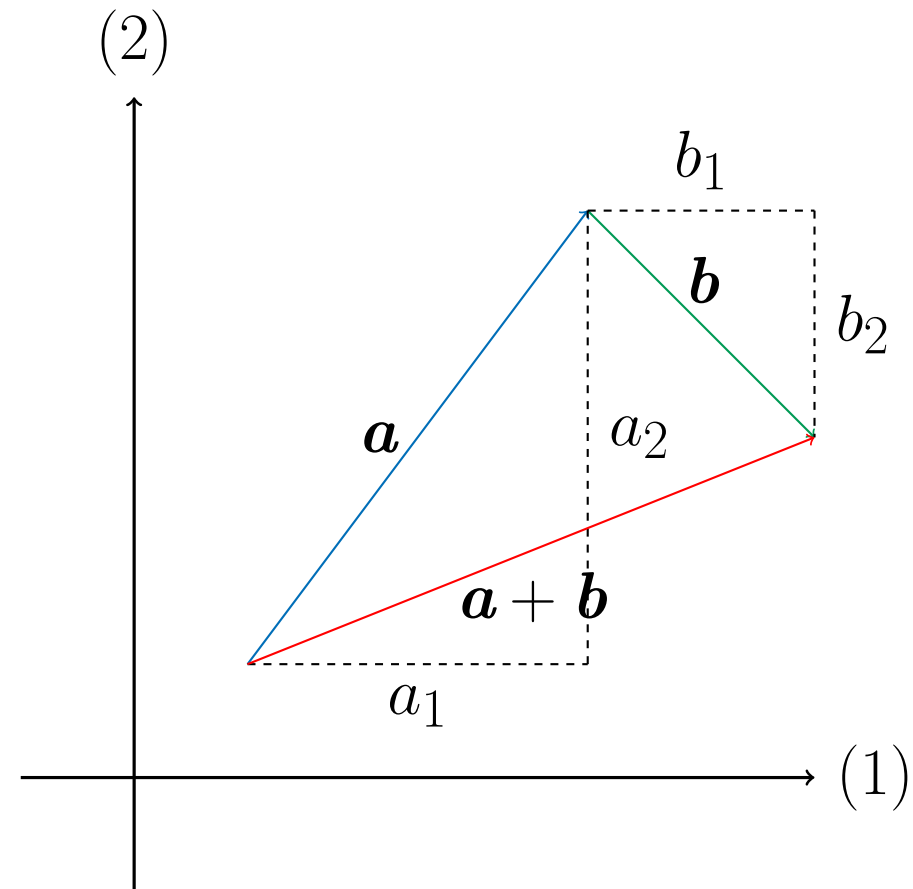
Sum mellem af vektorer



Sum mellem af vektorer



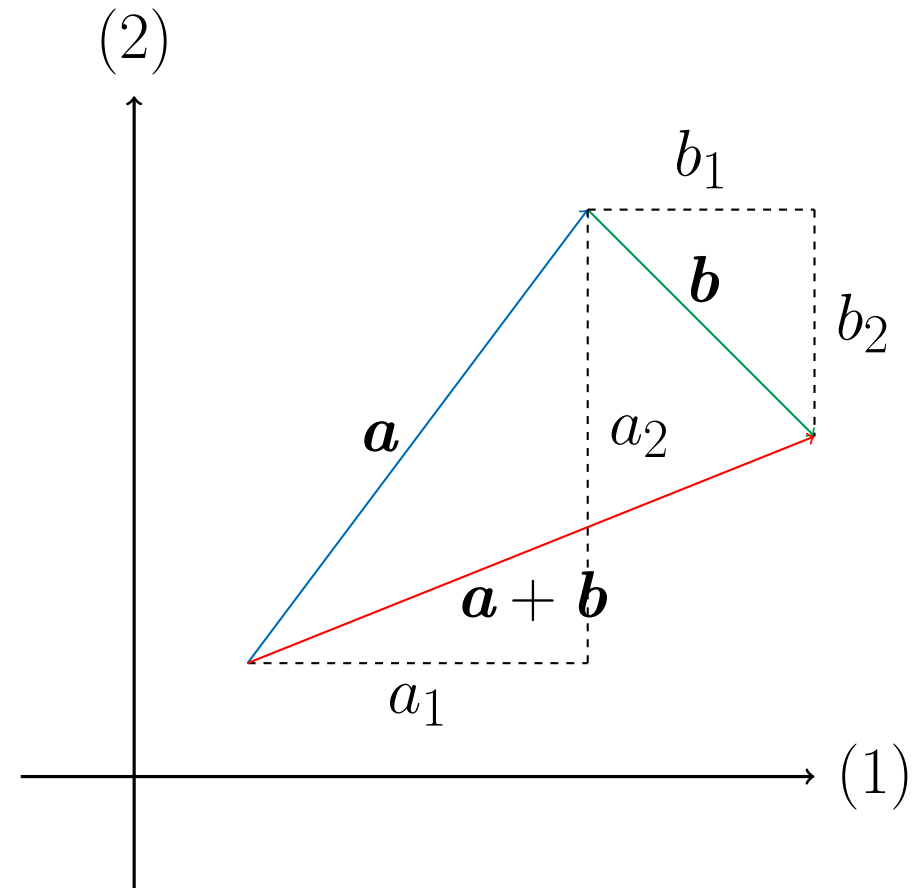
Sum mellem af vektorer



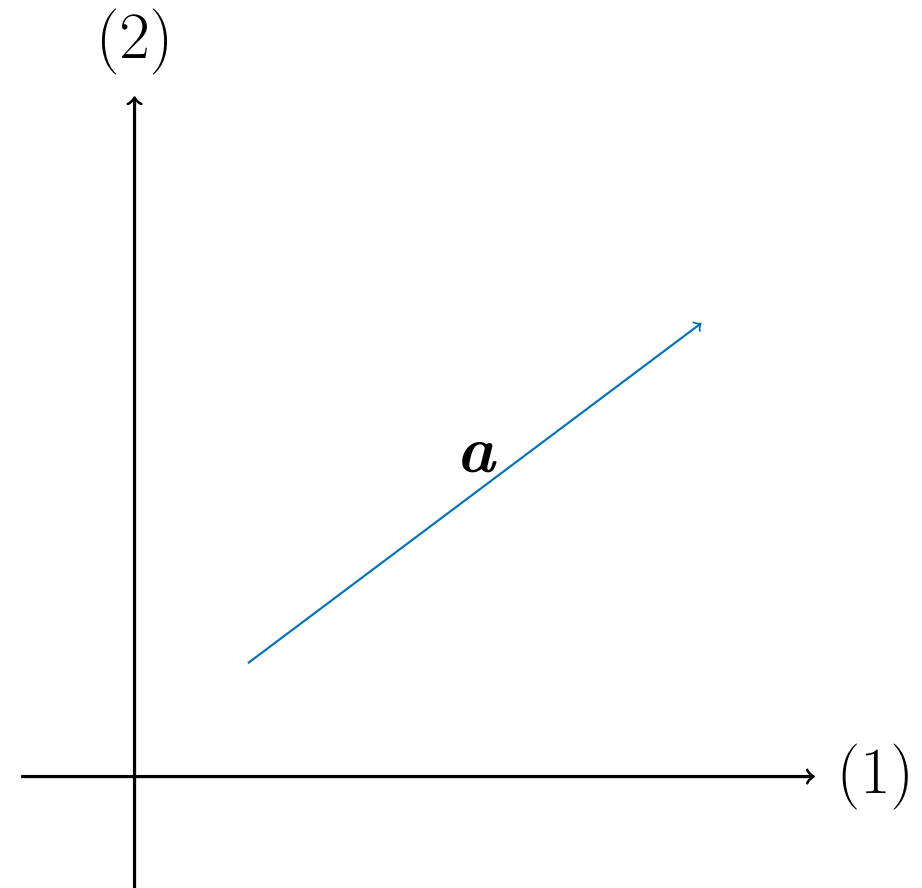
Sum mellem af vektorer

Sum

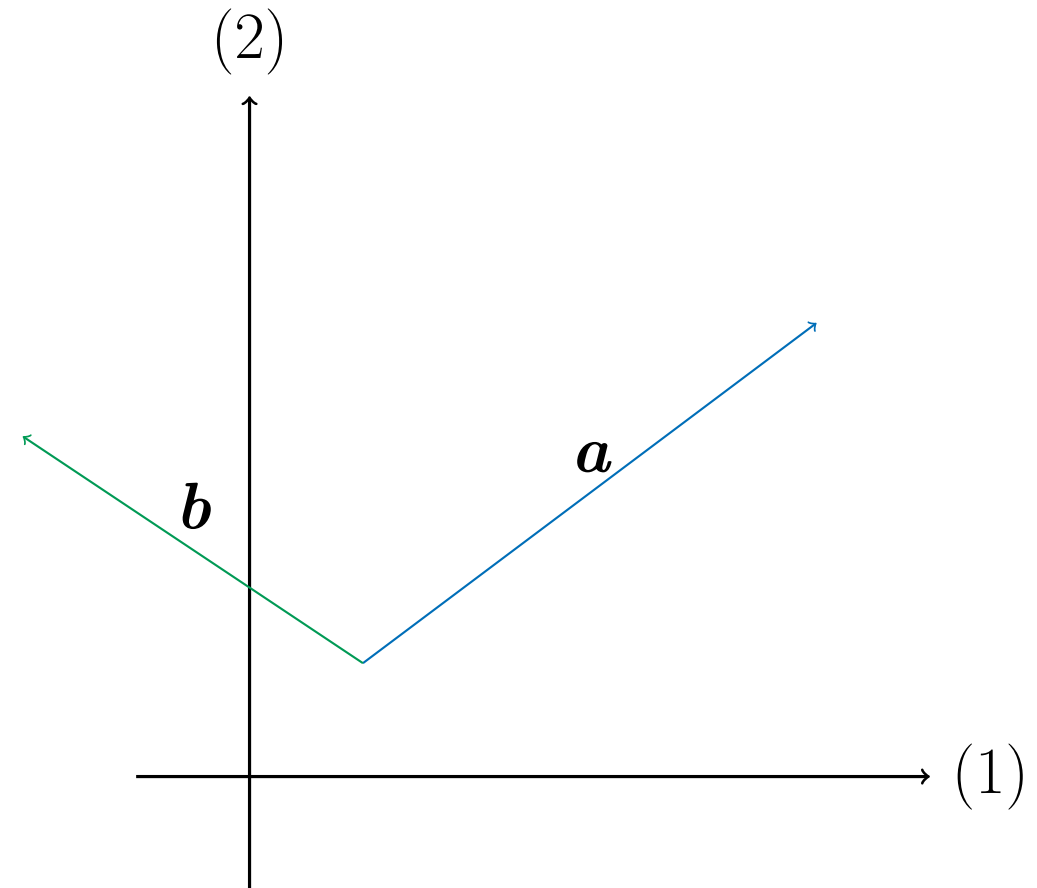
$$\mathbf{a} + \mathbf{b} = \begin{pmatrix} a_1 + b_1 \\ a_2 + b_2 \end{pmatrix}$$



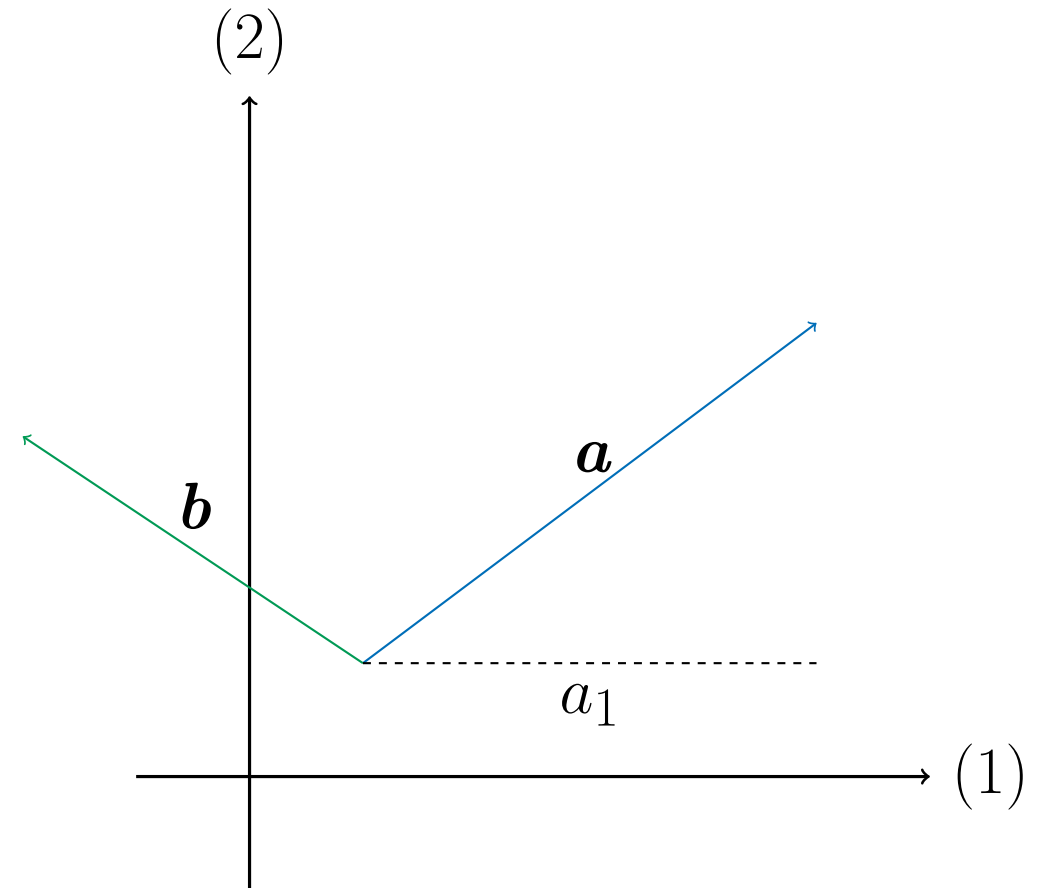
Differens mellem af vektorer



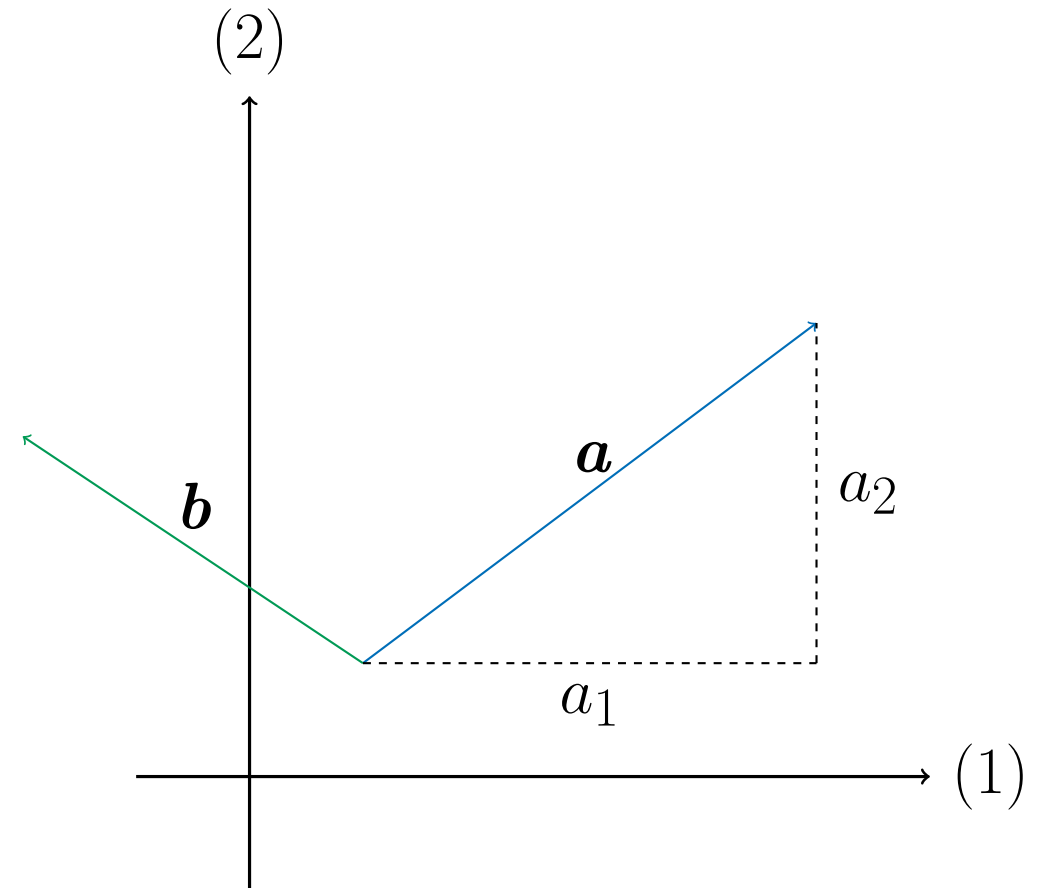
Differens mellem af vektorer



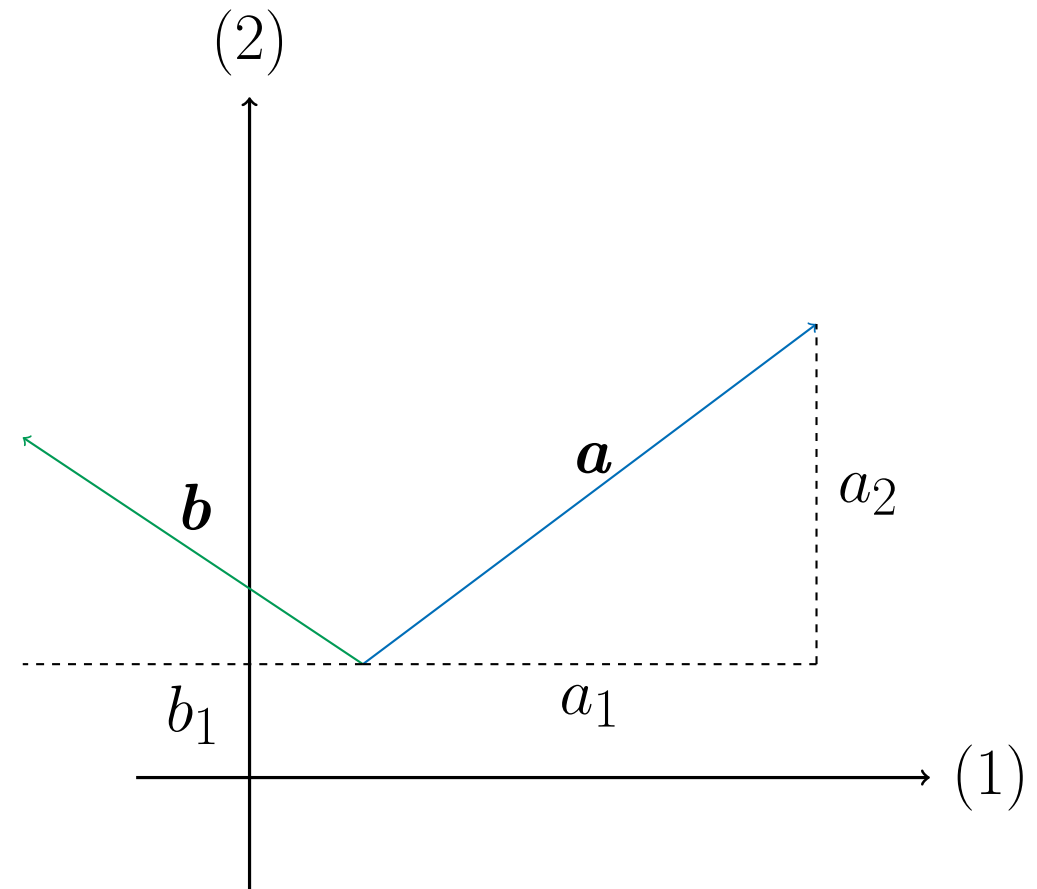
Differens mellem af vektorer



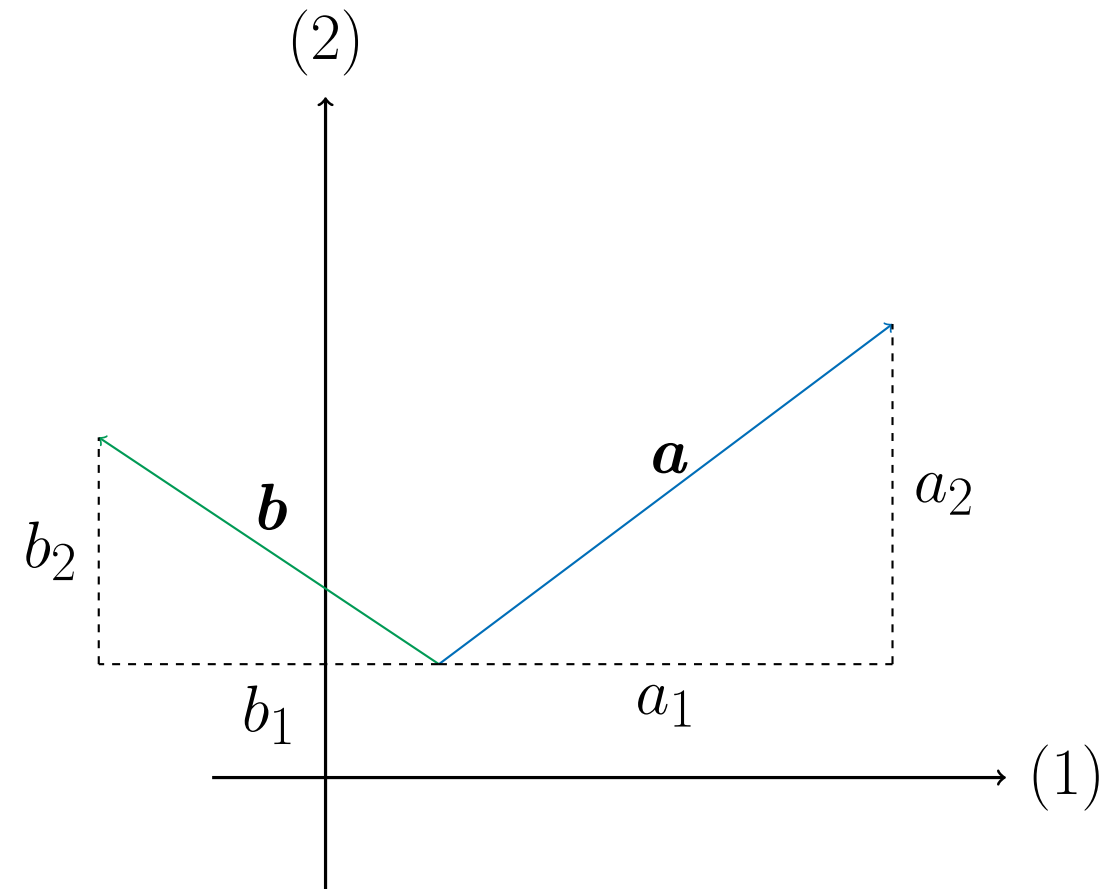
Differens mellem af vektorer



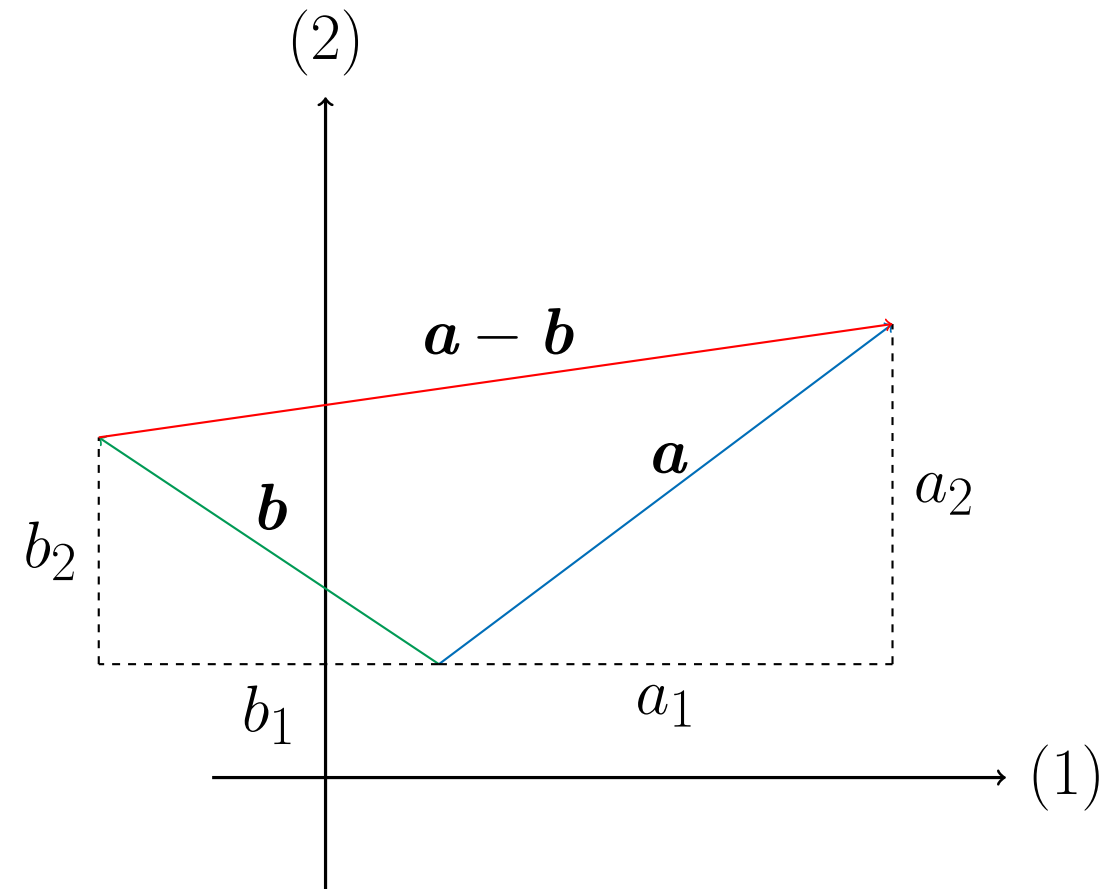
Differens mellem af vektorer



Differens mellem af vektorer



Differens mellem af vektorer



Differens mellem af vektorer

Differens

$$\mathbf{a} - \mathbf{b} = \begin{pmatrix} a_1 - b_1 \\ a_2 - b_2 \end{pmatrix}$$

