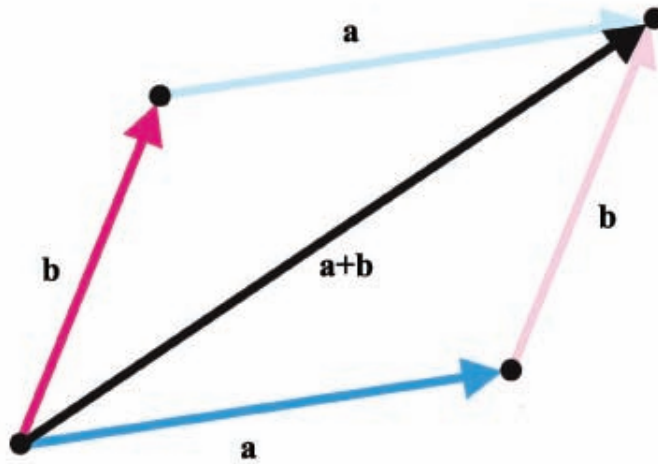


Basic Operations

Addition:

$$\langle a_1, a_2 \rangle + \langle b_1, b_2 \rangle = \langle a_1 + b_1, a_2 + b_2 \rangle.$$



This is the tip-to-tail or parallelogram law. The sum $\mathbf{a} + \mathbf{b}$ is called the resultant.

EXAMPLE.

$$\langle 4, 3 \rangle + \langle -1, 4 \rangle = \langle 3, 7 \rangle$$

The Sum of 2 Vectors

