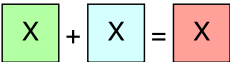
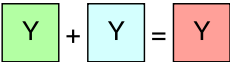


Scalar Addition



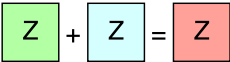
A diagram illustrating scalar addition. It shows three square boxes arranged horizontally. The first box is green and contains the letter 'X'. To its right is a plus sign '+'. The second box is light blue and also contains the letter 'X'. To its right is an equals sign '='. The final box is light red and contains the letter 'X'.

$$X + X = X$$



A diagram illustrating scalar addition. It shows three square boxes arranged horizontally. The first box is green and contains the letter 'Y'. To its right is a plus sign '+'. The second box is light blue and also contains the letter 'Y'. To its right is an equals sign '='. The final box is light red and contains the letter 'Y'.

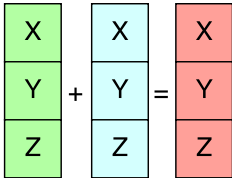
$$Y + Y = Y$$



A diagram illustrating scalar addition. It shows three square boxes arranged horizontally. The first box is green and contains the letter 'Z'. To its right is a plus sign '+'. The second box is light blue and also contains the letter 'Z'. To its right is an equals sign '='. The final box is light red and contains the letter 'Z'.

$$Z + Z = Z$$

SIMD Addition



A diagram illustrating SIMD (Single Instruction, Multiple Data) addition. It shows three vertical stacks of three square boxes each, arranged horizontally. The first stack is green and contains the letters 'X', 'Y', and 'Z' from top to bottom. To its right is a plus sign '+'. The second stack is light blue and also contains the letters 'X', 'Y', and 'Z' from top to bottom. To its right is an equals sign '='. The final stack is light red and contains the letters 'X', 'Y', and 'Z' from top to bottom.

$$\begin{matrix} X \\ Y \\ Z \end{matrix} + \begin{matrix} X \\ Y \\ Z \end{matrix} = \begin{matrix} X \\ Y \\ Z \end{matrix}$$