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plus sign

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There are two main uses of the *plus sign* “+” (which is a simplified form of “&”) in the mathematics and the applying sciences:

- The original use is as the sign for the binary operation *addition* of numbers and other elements of rings and algebras, vectors, etc.:

$$a+b := \text{the sum of } a \text{ and } b$$

- There is also a special use for the unary operation *identity mapping* concerning numbers and other ring elements:

$$+a := a \text{ (for all } a\text{)}$$