

## MPL's Operand\_list Operator

**Definition 1** Let  $u$  be a *mathematical expression*. The MPL operator  $\text{Operand\_list}(u)$  returns the operands of a compound expression in a list. If  $u$  is not a compound expression, the operator returns the global symbol **Undefined**. When  $u$  is a list, the operator returns  $u$ .

For example,

$$\text{Operand\_list}(a + b + c) \rightarrow [a, b, c].$$

Most computer algebra systems have an operator that are similar to the  $\text{Operand\_list}$  operator:

MPL	Maple	Mathematica	MuPAD
$\text{Operand\_list}(u)$	$[\text{op}(u)]$	$\text{Apply}[\text{List}, u]$	$[\text{op}(u)]$

(Implementation: [Maple](#) (mws), [Mathematica](#) (nb), [MuPAD](#) (mnb).)

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