

**MathREAL**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> MathREAL		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 22, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# MathREAL

### 1.1 MathREAL

Prozeduren

Abs	Add	Cmp
Div	Fix	FixS
Flt	Long	Mul
Neg	Short	Sub
Tst		

### 1.2 TMP:Modula-2/MathREAL.def

```

DEFINITION MODULE MathREAL;
(*$ LargeVars:=FALSE NameChk:=FALSE *)

PROCEDURE Short (x{0}:LONGREAL):REAL;
PROCEDURE Long (x{0}:REAL):LONGREAL;
PROCEDURE FixS (x{0}:REAL):LONGINT;
PROCEDURE Fix (x{0}:REAL):LONGINT;
PROCEDURE Flt (x{0}:LONGINT):REAL;
PROCEDURE Cmp (x{0}, y{1}:REAL):LONGINT;
PROCEDURE Tst (x{0}:REAL):LONGINT;
PROCEDURE Abs (x{0}:REAL):REAL;
PROCEDURE Neg (x{0}:REAL):REAL;
PROCEDURE Add (x{0}, y{1}:REAL):REAL;
PROCEDURE Sub (x{0}, y{1}:REAL):REAL;
PROCEDURE Mul (x{0}, y{1}:REAL):REAL;
PROCEDURE Div (x{0}, y{1}:REAL):REAL;
(*)
PROCEDURE Floor (x{0}:REAL):REAL;
PROCEDURE Ceil (x{0}:REAL):REAL
*)
END MathREAL.def

```