ภาคผนวก B

ฟังก์ชันภายในของภาษาฟอร์แทรน 77

Function Description	Generic Name	specific Name	Number of Arguments	Type of Arguments	Type Of Funcqon
Conversion of numeric to integer	INT	—	1	integer	integer
		INT		Real	integer
		IFIX		Real	integer
		IDINT		Double	integer
		—		Complex	integer
Conversion of numeric to real	REAL	REAL	1	integer	Real
		FLOAT		integer	Real
		—		Real	Real
		SNCL		Double	Real
		—		Complex	Real
Conversion of numeric to double precision	DBLE	—	1	integer	Double
		—		Real	Double
		—		Double	Double
		—		complex	Double
Conversion of numeric to complex	CMPLX	—	1	integer	Complex
		—		Real	Complex
		—		Double	complex
		—		Complex	complex
Conversion of character to integer	—	CHAR	1	Character	Integer

Function Description	Generic Name	Specific Name	Number of Arguments	Type of Arguments	we of Function
Conversion of integer to character	—	ICHAR	1	Integer	Character
Truncation	AINT	AINT	1	Real	Real
		DINT		Double	Double
Rounding to nearest integer	ANINT	ANINT	1	Real	Real
		DNINT		Double	Double
Rounding to nearest integer	NINT	NINT	1	Real	Integer
		IDNINT	1	Double	integer
Absolute value	A B S	IABS	1	Integer	integer
		ABS		Real	Real
		DABS		Double	Double
		CABS		Complex	Real
Remaindering	MOD	MOD	2	Integer	Integer
		AMOD		Real	Real
		DMOD		Double	Double
Transfer of sign	SIGN	ISIGN	2	Integer	integer
		SIGN		Real	Real
		DSIGN		Double	Double
Positive difference	DIM	IDIM	2	Integer	integer
		DIM		Real	Real
		DDIM		Double	Double
Double precision product		DPROD	2	Real	Double
Maximum value	MAX	MAX0	≥2	integer	integer
		AMAX1		Real	Real
		DMAX1		Double	Double
	—	AMAXO		integer	Real
	—	MAX1		Real	Integer
Minimum value	MIN	MIN0	≥2	Integer	Integer
		AMIN1		Real	Real
		DMIN1		Double	Double
	—	AMINO		Integer	Real
	—	MINI		Real	Integer
Length of character item	—	LEN	1	Character	Integer
index of a substring	—	INDEX	2	Character	integer
imaginary part of a complex value	—	AIMAG	1	complex	Real
Conjugate of a complex value	—	CONJG	1	Complex	Complex
Square root	SORT	SQRT	1	Real	Real
		DSQRT		Double	Double
		CSQRT		Complex	Complex
Exponential	EXP	EXP	1	Real	Real
		DEXP		Double	Double
		CEXP		Complex	complex
Natural logarithm	LOG	ALOG	1	Real	Real
		DLOG		Double	Double
		CLOG		complex	Complex
Common logarithm	LOCI0	ALOG10	1	Real	Real
		DLOG10		Double	Double
Sine	SIN	SIN	1	Real	Real
		DSIN		Double	Double
		CSIN		complex	Complex

Function Description	Generic Name	Specific Name	Number of Arguments	Type of Arguments	Type of Function
Cosine	COS	COS	1	Real	Real
		DCOS		Double	Double
		CCOS		Complex	Complex
Tangent	TAN	TAN	1	Real	Real
		DTAN		Double	Double
Arcsine	ASIN	ASIN	1	Real	Real
		DASIN		Double	Double
Arccosine	ACOS	ACOS	1	Real	Real
		DACOS		Double	Double
Arctangent	ATAN	ATAN	1	Real	Real
		DATAN		Double	Double
	ATAN2	ATAN2	2	Real	Real
		DATAN2		Double	Double
Hyperbolic sine	SINH	SINH	1	Real	Real
		DSINH		Double	Double
Hyperbolic cosine	COSH	COSH	1	Real	Real
		DCOSH		Double	Double
Hyperbolic tangent	TANH	TANH	1	Real	Real
		DTANH		Double	Double
Lexically greater than or equal to		LCE	2	Character	Logical
Lexically greater than		LCT	2	Character	Logical
Lexically less than or equal to		LLE	2	Character	Logical
Lexically less than	—	LLT	2	Character	Logical