NAG C Library Chapter Contents

x02 – Machine Constants

x02 Chapter Introduction

Routine Name	Mark of Introduction	Purpose
X02AHC	1	nag_max_sine_argument
		The largest permissible argument for sin and cos
X02AJC	1	nag_machine_precision
		The machine precision
X02AKC	1	nag_real_smallest_number
		The smallest positive model number
X02ALC	1	nag_real_largest_number
		The largest positive model number
X02AMC	1	nag_real_safe_small_number
		Safe range of floating-point arithmetic
X02ANC	6	nag_complex_safe_small_number
		Safe range of NAG complex floating-point arithmetic
X02BBC	1	nag_max_integer
		The largest representable integer
X02BEC	1	nag_decimal_digits
		The maximum number of decimal digits that can be represented
X02BHC	1	nag_real_base
		Parameter b of model of floating-point arithmetic
X02BJC	1	nag_real_base_digits
		Parameter p of model of floating-point arithmetic
X02BKC	1	nag_real_min_exponent
		Parameter e_{min} of model of floating-point arithmetic
X02BLC	1	nag_real_max_exponent
		Parameter e_{max} of model of floating-point arithmetic
X02DAC	1	nag_underflow_flag
		Switch for taking precautions to avoid underflow
X02DJC	1	nag_real_arithmetic_rounds
		Parameter ROUNDS of model of floating-point arithmetic