NAG Library Chapter Contents

X02 – Machine Constants

X02 Chapter Introduction

Routine Name	Mark of Introduction	Purpose
X02AHF	9	nagf_machine_sinarg_max The largest permissible argument for sin and cos
X02AJF	12	nagf_machine_precision The machine precision
X02AKF	12	nagf_machine_real_smallest The smallest positive model number
X02ALF	12	nagf_machine_real_largest The largest positive model number
X02AMF	12	nagf_machine_real_safe The safe range parameter
X02ANF	15	nagf_machine_complex_safe The safe range parameter for complex floating point arithmetic
X02BBF	5	nagf_machine_integer_max The largest representable integer
X02BEF	5	nagf_machine_decimal_digits The maximum number of decimal digits that can be represented
X02BHF	12	nagf_machine_model_base The floating point model parameter, b
X02BJF	12	nagf_machine_model_digits The floating point model parameter, p
X02BKF	12	nagf_machine_model_minexp The floating point model parameter $e_{\min}$
X02BLF	12	nagf_machine_model_maxexp The floating point model parameter $e_{\max}$