NAG Fortran Library Chapter Contents

X02 – Machine Constants

Note: please refer to the Users' Note for your implementation to check that a routine is available.

X02 Chapter Introduction

Routine Name	Mark of Introduction	Purpose
X02AHF	9	The largest permissible argument for sin and cos
X02AJF	12	The machine precision
X02AKF	12	The smallest positive model number
X02ALF	12	The largest positive model number
X02AMF	12	The safe range parameter
X02ANF	15	The safe range parameter for complex floating-point arithmetic
X02BBF	5	The largest representable integer
X02BEF	5	The maximum number of decimal digits that can be represented
X02BHF	12	The floating-point model parameter, b
X02BJF	12	The floating-point model parameter, p
X02BKF	12	The floating-point model parameter e_{min}
X02BLF	12	The floating-point model parameter e_{max}
X02DAF	8	Switch for taking precautions to avoid underflow
X02DJF	12	The floating-point model parameter ROUNDS