

NAG Library Chapter Contents

X02 – Machine Constants

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to avoid underflow Note: this routine is scheduled for withdrawal at Mark 24, see Advice on Replacement Calls for Withdrawn/Superseded Routines for further information.
X02DJF	12	The floating-point model parameter ROUNDS Note: this routine is scheduled for withdrawal at Mark 24, see Advice on Replacement Calls for Withdrawn/Superseded Routines for further information.
