

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to avoid underflow Note: this routine is scheduled for withdrawal at Mark 24, see Advice on Replacement Calls for Withdrawn/Superseded Routines for further information.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model parameter ROUNDS Note: this routine is scheduled for withdrawal at Mark 24, see Advice on Replacement Calls for Withdrawn/Superseded Routines for further information.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