

OperationCUBE ROOT ROUTINE

$$r = \sqrt[3]{b}$$

CUR

Use

a) Calling Linkage

L : 100 8 [L+2] [3FF] [35F]

L + 1: — 5 [—] [—] [CUR:1]

L + 2: 0] e [] b [] r [] B

b) Adaptation Link Word

L + 2: ⁰¹⁸24 ⁰¹⁷1WL ²⁵B

c) Storage

j = 24 wordsk = 23 orders1 constants4 opstos: 35C to 35FSee:
Wrubel
page 55Requirements and Performancea) Method of operation FLOATING POINT, successive iterationsb) Additional routines required NONEc) Range and form of variable b MUST BE REAL AND NORMALIZED.d) Accuracy 1×2^{-40} OF SIGNIFICANT NUMBERe) Performance time ABOUT 1.4 SEC.