Gude:

"Floating-point numbers are a lot like pandziles" every time you move one you lose a little sand and sick up a little dist." - Konjohan + Plangu

o TEER F.B. Shadard

- Floating point or Marche
- Backwards stability

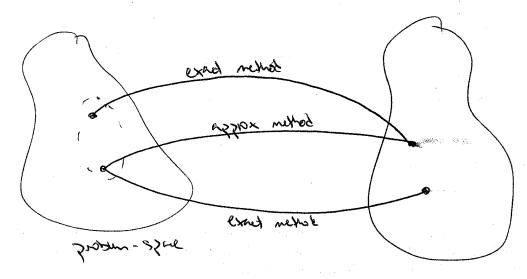
Algorithm to Find Em

e=1 w= T While wo > 1 e=e/T w=1+e em= Te

{ converged : A 53 ; furtiers. Why ? ]

exact operture +, -, x, =
flown. By ops: (0,0,0)

Reall. Backows shbility



odn space

An absorbunits "brekborder stude" of the approximate soon to a given prober is the exact soll of a newboy problem.

Must: roaden one and on

Flow -D exact soon of a path of 6th data by

Algorithm 18 accorde of 11810)- FLAN & CEE for se small. les.

Ex. Complex multiply:

n 600 = (nxb)(1+ tit ee) where Itel Em

Elmos Elmos

1 fland) - Fland) = 257 Em

Backbards stability:

Algorithm is breknows while if is all in police is not some interpolition of supplied in s

112-21/ L Cem

78 m = x x (1+ 2/2) ec m > 1801 LEM

Ede 7 - m) 6 = (1+252) 200

2 x 2 = x 8 y

1 (2) - (2) 1 = Motobees H ((we eas)) = WE (Elly) = WE Em