```
abic comusuid synther phi No phi KI , theta 20, theta KI H )
       + AND KU, KB ARE STRETING AND OWNING PROSE ( CAMPANS)
      # opega to ky? ARE STARTING AND ENDING ANGULAR VOLUSTY (RADIANS)
      M = np. round (( theta-Ko + chega - 2024 - theta- 21) + H/2+ (oraga - 22- orage KO))/(2004
                                            IN AN OBJECT ORIENTED INPLEMENTATION
      alpha_heta = np, array ([
              [3/(H*H); -1/4],
                                           THIS CAN ALL BE EVALUATED AT STARTUP
             [-2/(MEH H), 1/(HEH)]
      I)
     alpha beta @= np. vstack ( ( theta KI - theta KO - H+ anega - KO + 2+ np. pi + M)
                                 onega - 127 - anege - 20 ))
     # clphe-beta should have once (2 len (Phi-120))
    # polynomial (cubic) coefficients
     pevels = np. vstack ((np. 41: Pud (alpha-heta), omega-ko, theta-ko))
     n = np. arange (H)
      theta-n = plyeral (proefs, n) # SEF 2) FOR POLYEVAL
      tracks = as (theta-n) # IDEALLY ACCELERATED USING TABLE LUKLE.
                             # of exp (jetheton in)
```

AMPLITUDE SCALAR OF CSINUSHOS

amp-ramp-synth (a_20, a_K1 H) h = np. arange (H)/H # CAN BE PRE COMPLETED IN OU IMPLEMENTATION. ret = a-RO + (aKI-a-KO) [None] & h A ALTOUNATION TO AWIS MULTIPLIES, PARTIAL SUMMUATION CAN RO DOWN neuen net & BUT CONFENSATION SHOWS PSE DUNE D MINIMURE RUNNING EXPLOS

def polyeval (pasets, z):

pasets has shape (P,K) where P is number of afficient in

posets has shape (P,K) where P is number of afficient in

TOUTHURNER AND IK IS NUMBER OF EVALUATIONS TO CONFUTE

EVALUATION USING HUENDES METUD

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=
$$((P_0 = +P_1) = +P_2) = ...$$
 $d_0 = P_0$

#OR USING CUTTER PRODUCTS

$$P = \begin{bmatrix} 4 & 3 & 2 \\ 5 & 4 & 3 \end{bmatrix}$$

$$\left[\left[\frac{4(3)^2 + 3(3) + 2}{5(3)^2 + 9(3) + 3} \right], \frac{4(10)^2 + 3(10) + 2}{5(4)^2 + 9(3) + 3}, \frac{4(15)^2 + 9(15) + 3}{5(4)^2 + 9(16) + 3} \right]$$

SYNTHERLS USING CURAC SPLINES
polyeral (poets, 2)

P-x = pcoefs [o][:, None]

for p in parefs[1:]:

P_X = p-X * 2 + p[: | None]

return p.x