

Peko Pg

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> # HI-NUM Initialize Monyou CG analysis by H.E:
> restart : with(StringTools) : with(plots) :
> NP := [A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z];
    NP := [A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z] (1)
> CP := [yellow, red, green, blue, magenta, "Purple", "Orange", "DarkGreen", "SkyBlue",
    black];
CP := [yellow, red, green, blue, magenta, "Purple", "Orange", "DarkGreen", "SkyBlue",
    black] (2)
> th :=  $\frac{s}{7}$  :

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> FP := [th, sin(th), cos(th), sin(sin(th)), cos(cos(th)), sin(cos(th)), sin(tan(th)),
    cos(tan(th))];
FP := [ $\frac{1}{7} s$ , sin( $\frac{1}{7} s$ ), cos( $\frac{1}{7} s$ ), sin(sin( $\frac{1}{7} s$ )), cos(cos( $\frac{1}{7} s$ )), sin(cos( $\frac{1}{7} s$ )),
    sin(tan( $\frac{1}{7} s$ )), cos(tan( $\frac{1}{7} s$ ))] (3)

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>
> c := 0 :for w from 1 to 10 do for x from w + 1 to 10 do for y from x + 1 to 10 do for z
    from y + 1 to 10 do for v from z + 1 to 10 do H||1 := w : H||2 := x : H||3 := y : H
    ||4 := z : H||5 := 2·v : eh := (x + 1)·7 + (y mod 5) + 1 : h1 := (x + y + z) mod 8
    + 1 :for ds from 1 to 10 do EQX := sin(eh·(H||1)·s)·cos(eh·(H||2)·s) + sin(eh·(H
    ||3)·s)·cos(eh·(H||4)·s)·cos(eh·(H||5)·s)·FP[h1] :EQY := cos(eh·(H||1)·s)
    ·cos(eh·(H||2)·s) + cos(eh·(H||3)·s)·cos(eh·(H||4)·s)·cos(eh·(H||5)·s)
    ·FP[h1] : NG||ds := plot([EQX, EQY, s =  $\frac{(ds - 1) \cdot 2 \cdot \text{Pi}}{10}$  ..  $\frac{ds \cdot 2 \cdot \text{Pi}}{10}$ ], axes = none,
    numpoints = 500, scaling = constrained, color = CP[(ds + 6·h1 + 2·c) mod 10] + 1],
    title = "INITIALIZE MONYOU H.E") :od: c := c + 1 : HG||c := seq(NG||j, j = 1
    ..10) : print(display(HG||c)) : print(FormatTime("%Y-%m-%d (%r)", [eh, h1], [w,
    x, y, z, v], [Cnt[c]])) :od:od:od:od:od:

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