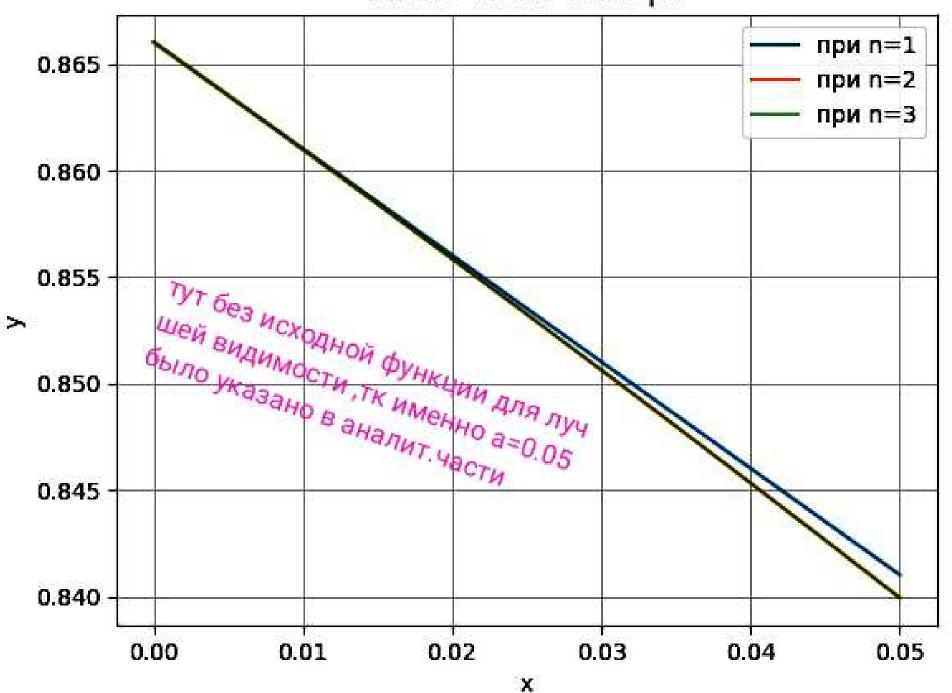
1 caca: (f(x) = cos(+x) 1) $f'(x) = \cos(\frac{\pi}{6} + x)' = (\frac{\pi}{6} + x)' \cdot (-\sin(\frac{\pi}{6} + x))$ = - Sin (T + x) 4) f""= cos(=+x) 2) f"= - cos(+x) so jukuy Rame. 3) f "= sin("+x) => populyy nomno oбобщить, кои: 1 $f^{(n)} = col((x+\overline{II}) + \overline{II} \cdot n)$ Pericibutaleno: kpa n=0 nongrum $\cos(\sqrt[4]{-x})$ npa $n=1:-\sin(\sqrt[4]{x})$; npa $h=2:-\cos(\sqrt[4]{x})$, 6 chery reprogramment - years. $P_{n}(x) = P(x_{0}) + P(x_{0})(x-x_{0}) + \dots + \frac{P(x_{0})}{A!}(x-x_{0})^{n} + P(x_{0})$ (3) lochologgence populyion koningea cymus: (2) cos (1+3) = cos x cosp - sin 1. sin p => 6 nameur my rec voryagne cos x. 13 - sin x. 1 nous 34 266 populy wi to the the total

u cucyca, pac munen murorusex spour loguou Kounya $\cos'(x) = -iin(x)$ cos"(x) = - (x) => Mo-e-- (" cos (x+#.~). cog'''(x) = jin(x)cos'''(x) = cos(x)curyca: sin'(x) = cos(x)sin'(x) = -sin(x) $\int \int u''(x) = -\cos(x)$ Jin (K) = linex). => Longrum: \frac{\sqrt{3}}{2} \left(\cos(x_0) + (x-x_0) \cos(x_0 + \frac{\pi}{2}) + \cos(x_0 + \frac{\pi}{2}) + \cos(x_0 + \frac{\pi}{2}) \cos(x_0 + \pi) \cos(x_0 + \frac{\pi}{2}) \cos(x_0 + \frac{\ Jin (xo) + (x-xo). Sin(xo+\frac{\pi}{2})+... sin(xo+\frac{\pi}{2}a) + f(a)

T.W. Koungen bygyt represent snow a obstraction non very smar ve
hu, uppyrnep, xo xo = 0; norgan cob agecure copyring very appene largauna: $(R_n(x,x_0) = \frac{f(f)}{(h+1)!}(x-x_0)$ x=905 , ge:06 = I | Kn = 1.0,07 a+1 E>

 $=>4\Delta_1=10^{-3}$ 2/ Dz = 10-6 1): $10^{-3} \ge \frac{1 \cdot 905^{n+1}}{(n+1)!}$ • nogc7abeun $n=1=>10^{-3}$ $\frac{1.0,5}{2!}$ => 100 = 1000 - velegno. 2,1.105 · nogetabern 1=2 => (1/20)3:3! = 103верно; в симу убевание длункуми aleggarque n-hojxpart 1) Uz hpesagyylio, n = 2 -ne nojagjus =>
-> npu n = 3 noveyrum 1.305" -> nougeun 1 14:10 = 10 - Repro. Humorrosno hamuse e 17000 nanepa - nojxogni => N_=3 ; N_=2.

Многочлены Тейлора



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