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T = 5.05 A = 5 cm X=0 => equilibrium Moving toward negative x Capture at x = += +2.5 cm

(1)

A by the graph, the 1260+ will be capture at 5/82. 9 = 7 n. By cultilation, 2,5 = -5 (sin(22t)) , since 2nt = 9. 5'2 = \* (214 (514)) 5xt = 5 4 - : 2: u sut sin = = = sin znt sin = n = Jin znt 子权: 上处十 35 :+ 2,917 seleon = +

t= 31 + ≈ 2,917 sekon