



[A]Experiment

Data ID:GPT10_20150212_02~10_N=5

circular track(acrylic), vibrating frequency=25Hz, recording frequency=25Hz,

2 orthogonal cameras record for about 65000frames,

exposure time equals to the period of vibration, radius of the arcylic track=112.3mm

[B]Difinition

 Γ is the peak acceleration of the shaker, decide the state by $h_{cut}=d/4$ (d =the radius of each ball of the chain)bin size=1mm, $\Delta t=0.2s$

[C]Process summary

raw data --> PDP(GPT_position_data_producing) --> GPT10_N=5~8_txt_position_Jia_20160808

->GPT10_split_state_pdf_Jia20160203.m

using Jia_master_thesis_chpater4_Jia20160519.opj to plot