











































































| Name                   | Value                      |
|---|----------------------------|
|  alpha                  | 6.6944e-05                 |
|  Am                     | <i>1x100 double</i>        |
|  Am_max                 | 5                          |
|  Am_min                 | 2                          |
|  Ami                    | 5.2976                     |
|  ans                    | <i>1x1 Figure</i>          |
|  beta                   | 5.1591e-05                 |
|  data_horario_test      | '2022-08-14 T22-29-06'     |
|  erro                   | <i>1x100 double</i>        |
|  fig1                   | <i>1x1 Figure</i>          |
|  fig2                   | <i>1x1 Figure</i>          |
|  fileName               | 'Resluts for PID - FT2-... |
|  flag_load_dist         | 0                          |
|  flag_model_severa...  | 0                          |
|  flag_noise           | 0                          |
|  flag_sinusoidal_dist | 1                          |
|  folderName           | 'h005-T2-NO-2022-0...      |
|  FT1type              | 'L'                        |
|  FT2ltype             | 'L'                        |
|  FuzzyType            | 'T2'                       |
|  gama                 | 1.1848e-07                 |
|  h                    | <i>100x1 double</i>        |
|  H                    | 100                        |
|  h0                   | 0.0533                     |
|  i                    | 100                        |
|  l_pid                | 0.0331                     |
|  l_t1_no              | 0.0307                     |
|  l_t2_li_no           | <b>0.0307</b>              |
|  IAE_pid              | 7.3292                     |
|  IAE_t1_no            | 5.4037                     |
|  IAE_t2_li_no         | <b>5.3856</b>              |
|  IG_pid               | 1.7903                     |
|  IG_t1_no             | 0.8341                     |
|  IG_t2_li_no          | <b>0.8331</b>              |
|  ISE_pid              | 3.3090                     |
|  ISE_t1_no            | 3.0737                     |
|  ISE_t2_li_no         | <b>3.0726</b>              |
|  ITAE_pid             | 1.0221e+03                 |
|  ITAE_t1_no           | 627.7484                   |
|  ITAE_t2_li_no        | <b>622.8020</b>            |
|  ITSE_pid             | 52.4885                    |

| Name             | Value                   |
|---|-------------------------|
|  ITSE_t1_no       | 19.2765                 |
|  ITSE_t2_li_no    | 18.9784                 |
|  Kc               | 3.9726e-05              |
|  Kd               | 1x100 double            |
|  Ki               | 1x100 double            |
|  Kp               | 1x100 double            |
|  L                | 2                       |
|  nptos            | 100                     |
|  Opt_type         | 'NO'                    |
|  param            | 1x18 double             |
|  passo            | 0                       |
|  patamar          | 0.0500                  |
|  PIDflag          | 0                       |
|  PIDtype         | 'ZN'                    |
|  r_level        | 0.0250                  |
|  rate           | 1x100 double            |
|  ref            | 1x100 double            |
|  ref_type       | 'st'                    |
|  rr_ss          | 1x100 double            |
|  ruido_db_level | 5.9120                  |
|  simName        | 'Sinusoidal_Noise'      |
|  su_pid         | 1.0425e-09              |
|  su_t1_no       | 1.2050e-10              |
|  su_t2_li_no    | 1.1989e-10              |
|  sy_pid         | 0.0018                  |
|  sy_t1_no       | 9.9458e-05              |
|  sy_t2_li_no    | 9.8351e-05              |
|  Tamostra       | 5                       |
|  tank           | 1x1 struct              |
|  Td             | 0.0790                  |
|  tempo          | 1x100 double            |
|  Theta_m_max    | 72                      |
|  Theta_m_min    | 45                      |
|  Ti             | 0.3160                  |
|  trail          | './results/NO/h005-T... |
|  ts             | 1x100 double            |
|  Ts             | 5                       |
|  Tsim           | 500                     |
|  u              | 100x1 double            |
|  y              | 41x1 double             |