











































































| Name                   | Value                      |
|---|----------------------------|
|  alpha                  | 4.7072e-05                 |
|  Am                     | <i>1x100 double</i>        |
|  Am_max                 | 5                          |
|  Am_min                 | 2                          |
|  Ami                    | 7.5339                     |
|  ans                    | <i>1x1 Figure</i>          |
|  beta                   | 3.6276e-05                 |
|  data_horario_test      | '2022-08-14 T23-29-39'     |
|  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-PS-2022-08...     |
|  FT1type              | 'L'                        |
|  FT2ltype             | 'L'                        |
|  FuzzyType            | 'T2'                       |
|  gama                 | 8.3312e-08                 |
|  h                    | <i>100x1 double</i>        |
|  H                    | 100                        |
|  h0                   | 0.2030                     |
|  i                    | 100                        |
|  l_pid                | 0.0330                     |
|  l_t1                 | 0.0311                     |
|  l_t2_li              | 0.0309                     |
|  IAE_pid              | 7.1432                     |
|  IAE_t1               | 5.6846                     |
|  IAE_t2_li            | 5.5174                     |
|  IG_pid               | 2.8680                     |
|  IG_t1                | 1.8782                     |
|  IG_t2_li             | 1.8548                     |
|  ISE_pid              | 3.2991                     |
|  ISE_t1               | 3.1062                     |
|  ISE_t2_li            | 3.0915                     |
|  ITAE_pid             | 869.7007                   |
|  ITAE_t1              | 674.8586                   |
|  ITAE_t2_li           | 643.2593                   |
|  ITSE_pid             | 43.6958                    |

| Name             | Value                    |
|---|--------------------------|
|  ITSE_t1          | 25.3535                  |
|  ITSE_t2_li       | 22.4388                  |
|  Kc               | 3.9726e-05               |
|  Kd               | <i>1x100 double</i>      |
|  Ki               | <i>1x100 double</i>      |
|  Kp               | <i>1x100 double</i>      |
|  L                | 2                        |
|  nptos            | 100                      |
|  Opt_type         | 'PS'                     |
|  param            | <i>1x18 double</i>       |
|  passo            | 0.0500                   |
|  patamar          | 0.1000                   |
|  PIDflag          | 0                        |
|  PIDtype         | 'ZN'                     |
|  r_level        | 0.0250                   |
|  rate           | <i>1x100 double</i>      |
|  ref            | <i>1x100 double</i>      |
|  ref_type       | 'st'                     |
|  rr_ss          | <i>1x100 double</i>      |
|  ruido_db_level | 15.6846                  |
|  simName        | 'Sinusoidal_Noise'       |
|  su_pid         | 1.5964e-09               |
|  su_t1          | 6.7313e-10               |
|  su_t2_li       | 6.2188e-10               |
|  sy_pid         | 0.0032                   |
|  sy_t1          | 0.0021                   |
|  sy_t2_li       | 0.0020                   |
|  Tamostra       | 5                        |
|  tank           | <i>1x1 struct</i>        |
|  Td             | 0.0790                   |
|  tempo          | <i>1x100 double</i>      |
|  Theta_m_max    | 72                       |
|  Theta_m_min    | 45                       |
|  Ti             | 0.3160                   |
|  trail          | './results/PS/h005-T2... |
|  ts             | <i>1x100 double</i>      |
|  Ts             | 5                        |
|  Tsim           | 500                      |
|  u              | <i>100x1 double</i>      |
|  y              | <i>41x1 double</i>       |