











































































| Name                   | Value                     |
|---|---------------------------|
|  alpha                  | 3.5464e-04                |
|  Am                     | <i>1x100 double</i>       |
|  Am_max                 | 5                         |
|  Am_min                 | 2                         |
|  Ami                    | 1                         |
|  ans                    | <i>1x1 Figure</i>         |
|  beta                   | 2.7330e-04                |
|  data_horario_test      | '2022-08-14 T23-42-49'    |
|  erro                   | <i>1x100 double</i>       |
|  fig1                   | <i>1x1 Figure</i>         |
|  fig2                   | <i>1x1 Figure</i>         |
|  fileName               | 'Resluts for PID - - N... |
|  flag_load_dist         | 0                         |
|  flag_model_severa...  | 0                         |
|  flag_noise           | 0                         |
|  flag_sinusoidal_dist | 0                         |
|  folderName           | 'h005-T1-NO-2022-0...     |
|  FT1type              | 'L'                       |
|  FT2ltype             | 'L'                       |
|  FuzzyType            | 'T1'                      |
|  gama                 | 6.2767e-07                |
|  h                    | <i>100x1 double</i>       |
|  H                    | 100                       |
|  h0                   | 0.1887                    |
|  i                    | 100                       |
|  l_pid                | 0.0319                    |
|  l_t1                 | 0.0303                    |
|  l_t2_li              | 0.0303                    |
|  IAE_pid              | 4.9183                    |
|  IAE_t1               | 3.6472                    |
|  IAE_t2_li            | 3.6541                    |
|  IG_pid               | 2.8113                    |
|  IG_t1                | 1.8665                    |
|  IG_t2_li             | 1.8271                    |
|  ISE_pid              | 3.1869                    |
|  ISE_t1               | 3.0260                    |
|  ISE_t2_li            | 3.0262                    |
|  ITAE_pid             | 292.4958                  |
|  ITAE_t1              | 129.7437                  |
|  ITAE_t2_li           | 144.5990                  |
|  ITSE_pid             | 11.3030                   |

| Name          | Value                   |
|--|-------------------------|
|  ITSE_t1       | 3.9393                  |
|  ITSE_t2_li    | 4.5006                  |
|  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      | 'NO'                    |
|  param         | <i>1x14 double</i>      |
|  passo         | 0.0500                  |
|  patamar       | 0.1000                  |
|  PIDflag       | 1                       |
|  PIDtype      | 'ZN'                    |
|  r_level     | 0.0100                  |
|  rate        | <i>1x100 double</i>     |
|  ref         | <i>1x100 double</i>     |
|  ref_type    | 'st'                    |
|  simName     | 'PID'                   |
|  su_pid      | 1.5425e-09              |
|  su_t1       | 6.4543e-10              |
|  su_t2_li    | 6.0200e-10              |
|  sy_pid      | 0.0031                  |
|  sy_t1       | 0.0021                  |
|  sy_t2_li    | 0.0019                  |
|  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/h005-T1-N... |
|  ts          | <i>1x100 double</i>     |
|  Ts          | 5                       |
|  Tsim        | 500                     |
|  u           | <i>100x1 double</i>     |
|  y           | <i>41x1 double</i>      |