Fluxo de potencia linearizado - IEEE 14 Barras - Pd = 100%

Teta:

```
   0.0000
  -0.0875
  -0.2262
  -0.1849
  -0.1586
  -0.2647
  -0.2455
  -0.2455
  -0.2774
  -0.2826
  -0.2772
  -0.2840
  -0.2869
  -0.3042
```

Pkm:

```
   1.4788
   0.7112
   0.7005
   0.5523
   0.4090
  -0.2415
  -0.6234
   0.2899
   0.1663
   0.4208
   0.0630
   0.0755
   0.1703
  -0.0000
   0.2899
   0.0620
   0.0992
  -0.0280
   0.0145
   0.0498
```

Fluxo de potencia linearizado - IEEE 14 Barras - Pd = 80%

Teta:

```
   0.0000
  -0.0660
  -0.1774
  -0.1447
  -0.1240
  -0.2088
  -0.1933
  -0.1933
  -0.2188
  -0.2230
  -0.2188
  -0.2242
  -0.2265
  -0.2403
```

Pkm:

```
   1.1160
   0.5560
   0.5626
```

```
    0.4464
    0.3334
   -0.1910
   -0.4923
    0.2321
    0.1332
    0.3363
    0.0502
    0.0603
    0.1362
         0
    0.2321
    0.0498
    0.0795
   -0.0222
    0.0115
    0.0397
```

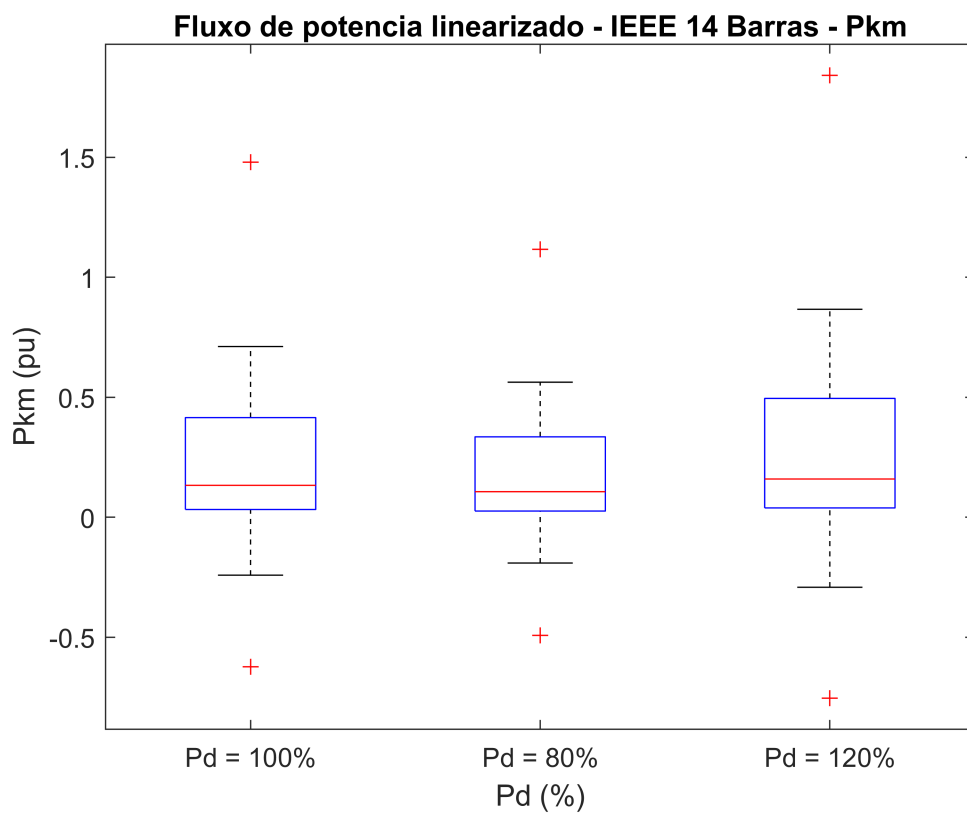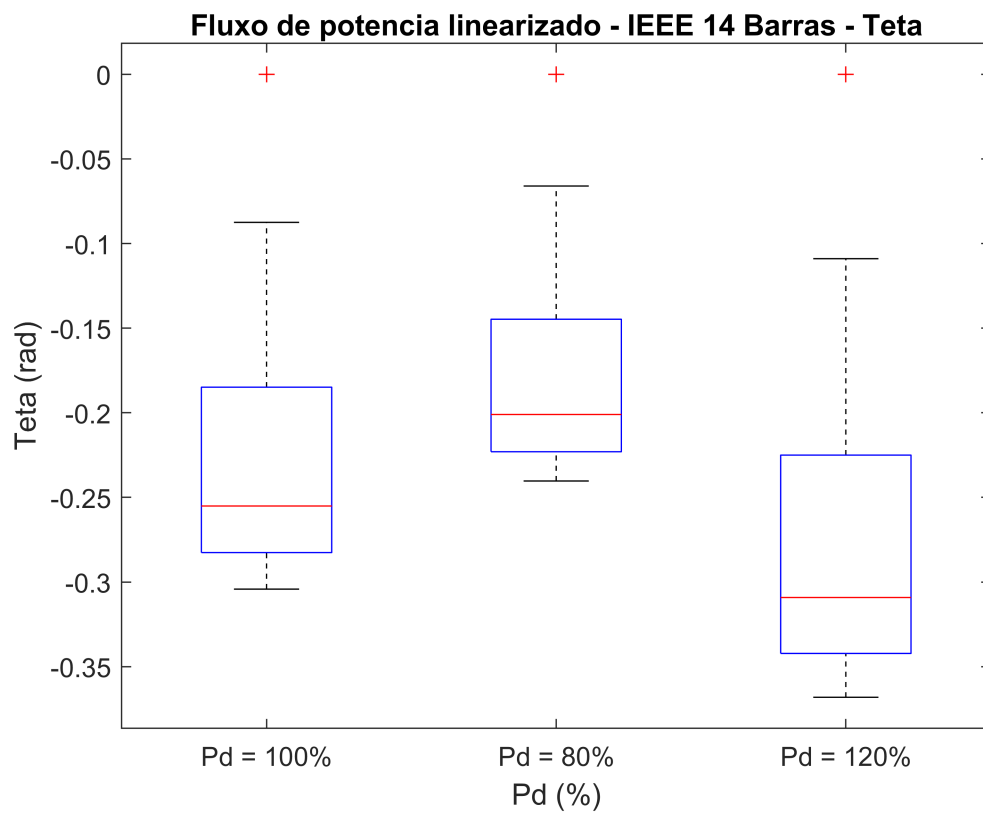Fluxo de potencia linearizado - IEEE 14 Barras - Pd = 120%

Teta:

```
   -0.0000
   -0.1090
   -0.2749
   -0.2250
   -0.1932
   -0.3206
   -0.2977
   -0.2977
   -0.3359
   -0.3422
   -0.3357
   -0.3438
   -0.3472
   -0.3681
```

Pkm:

```
    1.8416
    0.8664
    0.8384
    0.6581
    0.4847
   -0.2920
   -0.7545
    0.3476
    0.1994
    0.5054
    0.0759
    0.0906
    0.2045
   -0.0000
    0.3476
    0.0741
    0.1189
   -0.0339
    0.0174
    0.0599
```

Fluxo de potencia linearizado - IEEE 14 Barras - Teta

Fluxo de potencia linearizado - IEEE 14 Barras - Pkm

IEEE 33 Barras

Fluxo de potencia linearizado - IEEE 33 Barras - Pd = 100%

Teta:

```
   -0.0000
   -0.0051
   -0.0077
   -0.0103
   -0.0193
   -0.0235
   -0.0248
   -0.0279
   -0.0307
   -0.0309
   -0.0313
   -0.0346
   -0.0363
   -0.0372
   -0.0379
   -0.0395
   -0.0398
   -0.0004
   -0.0026
   -0.0032
   -0.0037
   -0.0069
   -0.0106
   -0.0124
   -0.0199
   -0.0207
   -0.0254
   -0.0286
   -0.0296
   -0.0321
   -0.0327
   -0.0329
   -0.0000
```

Pkm:

```
        0
   3.2550
   2.2350
   2.1150
   2.0550
   1.0750
   0.8750
   0.6750
   0.6150
   0.5550
   0.5100
   0.4500
   0.3900
   0.2700
   0.2100
   0.1500
   0.0900
   0.3600
   0.2700
   0.1800
   0.0900
   0.9300
   0.8400
   0.4200
   0.9200
```

```
        0.8600
        0.8000
        0.7400
        0.6200
        0.4200
        0.2700
        0.0600

Fluxo de potencia linearizado - IEEE 33 Barras -  Pd = 90%

Teta:

       -0.0000
       -0.0046
       -0.0069
       -0.0092
       -0.0174
       -0.0211
       -0.0223
       -0.0251
       -0.0276
       -0.0278
       -0.0282
       -0.0311
       -0.0327
       -0.0335
       -0.0341
       -0.0356
       -0.0359
       -0.0003
       -0.0024
       -0.0029
       -0.0033
       -0.0062
       -0.0095
       -0.0112
       -0.0179
       -0.0186
       -0.0228
       -0.0257
       -0.0266
       -0.0289
       -0.0295
       -0.0296
       -0.0000

Pkm:

        0.0000
        2.9295
        2.0115
        1.9035
        1.8495
        0.9675
        0.7875
        0.6075
        0.5535
        0.4995
        0.4590
        0.4050
        0.3510
        0.2430
        0.1890
        0.1350
        0.0810
```

```
    0.3240
    0.2430
    0.1620
    0.0810
    0.8370
    0.7560
    0.3780
    0.8280
    0.7740
    0.7200
    0.6660
    0.5580
    0.3780
    0.2430
    0.0540
```

Fluxo de potencia linearizado - IEEE 33 Barras - Pd = 110%

Teta:

```
   -0.0000
   -0.0056
   -0.0085
   -0.0113
   -0.0213
   -0.0258
   -0.0272
   -0.0307
   -0.0338
   -0.0340
   -0.0345
   -0.0380
   -0.0399
   -0.0409
   -0.0417
   -0.0435
   -0.0438
   -0.0004
   -0.0029
   -0.0035
   -0.0041
   -0.0076
   -0.0117
   -0.0137
   -0.0219
   -0.0228
   -0.0279
   -0.0314
   -0.0325
   -0.0353
   -0.0360
   -0.0362
   -0.0000
```

Pkm:

```
        0
   3.5805
   2.4585
   2.3265
   2.2605
   1.1825
   0.9625
   0.7425
   0.6765
```

```
0.6105
0.5610
0.4950
0.4290
0.2970
0.2310
0.1650
0.0990
0.3960
0.2970
0.1980
0.0990
1.0230
0.9240
0.4620
1.0120
0.9460
0.8800
0.8140
0.6820
0.4620
0.2970
0.0660
```


Fluxo de potencia linearizado - IEEE 33 Barras - Teta

Fluxo de potencia linearizado - IEEE 33 Barras - Pkm