|  |  |  |
| --- | --- | --- |
| Uncontrolled | Friction compensated | Force feedback |
| uncontrolled.jpg | friction_compensated.jpg | force_feedback.jpg |
| mapp: -0.0006195  bapp: 0.005786 | mapp: -0.0008373  bapp: 0.008885 | mapp: -0.0004022  bapp: 0.003933 |
|  |  |  |
|  | friction_compensated.jpg | force_feedback.jpg |
| mapp: -0.0003632  bapp: 0.0008094 | mapp: -0.0005965  bapp: 0.002889 | mapp: -0.0003144  bapp: 0.002401 |
|  |  |  |
| uncontrolled.jpg | friction_compensated.jpg | force_feedback.jpg |
| mapp: -0.0003693  bapp: -0.0009187 | mapp: -0.0005517  bapp: 0.0008192 | mapp: -0.0002859  bapp: 0.001253 |
|  |  |  |
| Uncontrolled | Friction and gravity compensated | Force feedback |
| uncontrolled.jpg | friction_and_gravity_compensated.jpg | force_feedback.jpg |
| mapp: -0.0001941  bapp: -0.003549 | mapp: -0.0007281  bapp: 0.0006736 | mapp: -0.001954  bapp: -0.001697 |
|  |  |  |
| uncontrolled.jpg | friction_gravity_compensated.jpg | force_feedback.jpg |
| mapp: -0.0004613  bapp: 0.001654 | mapp: -0.0004909  bapp: 0.001163 | mapp: -0.0003694  bapp: 0.003398 |
|  |  |  |
| Uncontrolled | Friction and gravity compensated | Force feedback  Kf changed from 1.2 to 1.1 |
| uncontrolled.jpg | friction_gravity_compensated.jpg | force_feedback.jpg |
| mapp: -0.0004568  bapp: 0.001074 | mapp: -0.0006348  bapp: 0.002083 | mapp: -0.0004181  bapp: 0.004127 |
|  |  |  |
| Uncontrolled | Friction and gravity compensated | Force feedback  Kf changed from 1.1 to 1.15 |
| uncontrolled.jpg | friction_gravity_compensated.jpg | force_feedback.jpg |
| mapp: -0.0006809  bapp: 0.00366 | mapp: -0.0003966  bapp: 0.0001122 | mapp: -0.0004162  bapp: 0.004214 |