Different dbeta/dx

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Beta vs x Graph | D | X stops penetration | | Beta stops penetration | |
| Predicted | Actual | Predicted | Actual |
|  | 8e-6 | 0.394 | 0.401 | 0.1506 | 0.1542 |
| 0.7% | | 0.359% | |
| 5e-6 | 0.416 | 0.42 | 0.1639 | 0.1669 |
| 0.4% | | 0.3% | |
|  | 8e-6 | 0.365 | 0.3690 | 0.1495 | 0.1525 |
| 0.4% | | 0.3% | |
| 5e-6 | 0.382 | 0.3850 | 0.1635 | 0.1660 |
| 0.3% | | 0.25% | |
|  | 8e-6 | 0.117 | 0.1190 | 0.1517 | 0.1520 |
| 0.2% | | 0.03% | |
| 5e-6 | 0.157 | 0.161 | 0.1652 | 0.1661 |
| 0.4% | | 0.09% | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Beta vs x Graph | D | X stops penetration | | Beta stops penetration | |
| Predicted | Actual | Predicted | Actual |
|  | 8e-6 | 0.117 | 0.1190 | 0.1513 | 0.1520 |
| 0.2% | | 0.069% | |
| 5e-6 | 0.157 | 0.1610 | 0.1652 | 0.1661 |
| 0.4% | | 0.09% | |
|  | 8e-6 | 0.25 | 0.2530 | 0.1506 | 0.1519 |
| 0.3% | | 0.129% | |
| 5e-6 | 0.281 | 0.2840 | 0.1646 | 0.1660 |
| 0.3% | | 0.136% | |
|  |  | 0.269 | 0.2710 | 0.15064 | 0.1518 |
|  | |  | |
|  |  |  |  |  |
|  | |  | |

Where

Don’t ask me why but here is a1, a2, b1, b2

|  |  |  |  |
| --- | --- | --- | --- |
| A1 | A2 | B1 | B2 |
| -0.0305 | 0.0068 | 0.0858 | 0.033 |