表1 A面标定实验结果

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 压力（N）  电压  通道 值（mv） | 304.878 | 622.79 | 940.702 | 1258.614 | 1497.048 |
| A1 | 206.8506 | 420.4959 | 627.0607 | 854.1275 | 1008.421 |
| A2 | 227.2099 | 469.951 | 699.9844 | 938.0582 | 1105.967 |
| A3 | 210.9424 | 427.3366 | 635.1034 | 846.261 | 1005.074 |
| A4 | 224.3437 | 439.1406 | 670.172 | 889.8757 | 1072.453 |
| A5 | 210.7855 | 447.3058 | 660.3018 | 899.8647 | 1085.722 |
| A6 | 256.1604 | 506.1568 | 767.1323 | 1035.913 | 1203.651 |
| A7 | 250.1916 | 498.5085 | 755.89 | 1004.55 | 1169.513 |
| A8 | 232.5701 | 464.388 | 687.3937 | 908.5285 | 1099.158 |
| A9 | 224.2006 | 450.7696 | 675.5974 | 889.379 | 1068.168 |
| A10 | 237.7003 | 475.1339 | 707.287 | 944.9343 | 1124.53 |
| A11 | 228.8064 | 471.8539 | 700.7282 | 925.6337 | 1109.389 |
| A12 | 245.2067 | 500.5646 | 762.7775 | 1005.176 | 1201.649 |
| A13 | 218.7206 | 424.1611 | 635.4666 | 851.4318 | 1007.135 |
| A14 | 218.2783 | 429.8047 | 627.0467 | 840.1234 | 1019.111 |
| A15 | 200.5936 | 396.4324 | 596.7548 | 805.6964 | 948.2751 |
| A16 | 243.4906 | 498.5935 | 744.5727 | 993.0105 | 1196.696 |
| A17 | 229.1536 | 460.6936 | 694.0705 | 937.6843 | 1116.083 |
| A18 | 211.16 | 444.6376 | 678.1526 | 893.7511 | 1076.438 |
| A19 | 238.971 | 490.7497 | 743.2872 | 973.8392 | 1141.428 |
| A20 | 233.2903 | 463.2504 | 709.3311 | 949.2206 | 1117.293 |
| A21 | 231.9349 | 449.2565 | 675.7136 | 892.9281 | 1057.336 |
| A22 | 218.3982 | 427.9375 | 657.8313 | 872.1831 | 1021.684 |
| A23 | 243.6656 | 484.3515 | 721.2454 | 958.4727 | 1132.242 |
| A24 | 255.7473 | 504.8577 | 754.1787 | 981.7451 | 1168.574 |
| A25 | 228.8182 | 453.2617 | 687.7017 | 907.7466 | 1089.647 |

表2 B面标定实验结果

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 压力（N）  电压  通道 值（mv） | 304.878 | 622.79 | 940.702 | 1258.614 | 1497.048 |
| B1 | 207.9515 | 414.1764 | 627.5686 | 848.6126 | 1013.767 |
| B2 | 215.6029 | 442.4218 | 673.382 | 899.6528 | 1073.64 |
| B3 | 252.7678 | 497.5834 | 762.6176 | 1005.332 | 1208.836 |
| B4 | 226.6531 | 449.4407 | 679.908 | 889.1596 | 1063.738 |
| B5 | 210.5949 | 439.8485 | 669.0209 | 914.8069 | 1069.532 |
| B6 | 251.5015 | 516.844 | 769.0289 | 1041.787 | 1238.586 |
| B7 | 247.9655 | 522.0349 | 790.3902 | 1053.773 | 1240.193 |
| B8 | 223.9993 | 473.8831 | 719.805 | 976.8316 | 1137.824 |
| B9 | 226.3924 | 448.9145 | 679.6709 | 920.9776 | 1058.598 |
| B10 | 251.7411 | 525.4994 | 796.5431 | 1066.175 | 1226.526 |
| B11 | 222.7703 | 470.132 | 711.5087 | 978.4607 | 1151.169 |
| B12 | 251.1897 | 500.0643 | 752.0172 | 989.002 | 1194.964 |
| B13 | 215.8509 | 427.2756 | 631.3866 | 848.717 | 1004.619 |
| B14 | 220.3398 | 430.1471 | 628.5163 | 851.5121 | 995.7222 |
| B15 | 260.3873 | 525.5564 | 791.3104 | 1065.241 | 1234.855 |
| B16 | 240.7717 | 498.9411 | 759.6416 | 1010.435 | 1211.62 |
| B17 | 242.7301 | 495.0076 | 733.743 | 965.1553 | 1181.298 |
| B18 | 214.4202 | 449.0312 | 661.7289 | 895.3754 | 1080.736 |
| B19 | 239.0214 | 480.3822 | 727.5278 | 994.4215 | 1177.779 |
| B20 | 226.9632 | 453.6575 | 697.9544 | 920.4285 | 1096.688 |
| B21 | 254.6471 | 503.9413 | 757.4648 | 1008.071 | 1209.701 |
| B22 | 257.9143 | 523.9846 | 779.9347 | 1043.157 | 1229.363 |
| B23 | 225.8228 | 463.6242 | 693.5146 | 899.6159 | 1101.567 |
| B24 | 230.7971 | 446.0653 | 668.3184 | 905.6539 | 1075.375 |
| B25 | 230.4831 | 457.3957 | 698.6317 | 913.2397 | 1105.295 |

附录3 各测试通道标定方程

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **表1 A面标定方程** | |  | **表2 B面标定方程** | |
| 通道 | 标定方程 |  | 通道 | 标定方程 |
| A1 | y=0.6718x+2.906 |  | B1 | y=0.6718x+2.906 |
| A2 | y=0.7257x+10.455 |  | B2 | y=0.7177x+（-4.643） |
| A3 | y=0.6652x+9.539 |  | B3 | y=0.7950x+9.684 |
| A4 | y=0.7034x+9.758 |  | B4 | y=0.7034x+9.758 |
| A5 | y=0.7217x+（-8.207） |  | B5 | y=0.7217x+（-8.207） |
| A6 | y=0.8019x+12.63 |  | B6 | y=0.8298x+(-5.520) |
| A7 | y=0.7814x+12.01 |  | B7 | y=0.8494x+(-10.849) |
| A8 | y=0.7232x+16.273 |  | B8 | y=0.7749x+(-9.001) |
| A9 | y=0.7124x+8.768 |  | B9 | y=0.7124x+8.768 |
| A10 | y=0.7438x+10.576 |  | B10 | y=0.8382x+(-4.034) |
| A11 | y=0.7415x+5.800 |  | B11 | y=0.7819x+(-13.704) |
| A12 | y=0.7930x+6.492 |  | B12 | y=0.7930x+6.492 |
| A13 | y=0.6633x+13.539 |  | B13 | y=0.6633x+13.539 |
| A14 | y=0.6636x+14.681 |  | B14 | y=0.6636x+14.681 |
| A15 | y=0.6319x+6.290 |  | B15 | y=0.8303x+9.771 |
| A16 | y=0.7856x+4.442 |  | B16 | y=0.796x+2.652 |
| A17 | y=0.7316x+9.092 |  | B17 | y=0.7729x+5.283 |
| A18 | y=0. 7213x+（-5.424） |  | B18 | y=0.7213x+(-5.424) |
| A19 | y=0.7700x+8.323 |  | B19 | y=0.7936x+(-5.904) |
| A20 | y=0.7539x+（-0.502） |  | B20 | y=0.7381x+1.1186 |
| A21 | y=0.7092x+15.669 |  | B21 | y=0.7868x+13.477 |
| A22 | y=0.6751x+11.64 |  | B22 | y=0.8099x+11.64 |
| A23 | y=0.7643x+3.865 |  | B23 | y=0.7216x+8.45 |
| A24 | y=0.7809x+15.161 |  | B24 | y=0.7141x+9.785 |
| A25 | y=0.7175x+12.473 |  | B25 | y=0.7175x+12.473 |