Campo magnético em função da corrente no centro da bobina de Helmholtz

|  |  |  |
| --- | --- | --- |
|  | ref | -1,37 |
|  |  |  |
| I (A) | B(μT) | Bajus(μT) |
| 0 | -1,37 | 0 |
| 0,1 | 6,92 | 8,29 |
| 0,2 | 13,46 | 14,83 |
| 0,3 | 20,19 | 21,56 |
| 0,4 | 28,12 | 29,49 |
| 0,5 | 41,23 | 42,6 |

Variação do campo magnético na Bobina de Helmholtz

|  |  |  |
| --- | --- | --- |
| x(cm) | Bexp(μT) | Bteo(μT) |
| -20 | 6,33 | 6,97129726 |
| -18 | 7,83 | 9,11215035 |
| -16 | 11,27 | 12,0589089 |
| -14 | 13,77 | 16,0751948 |
| -12 | 18,85 | 21,3678392 |
| -10 | 25,23 | 27,8413827 |
| -9 | 28,42 | 31,3146163 |
| -7 | 38,25 | 37,8636273 |
| -5 | 39,28 | 42,5231339 |
| -4 | 42,8 | 43,8517667 |
| -2 | 46,54 | 44,8795295 |
| 0 | 41,52 | 44,9588143 |
| 2 | 46,54 | 44,8795295 |
| 4 | 42,8 | 43,8517667 |
| 5 | 39,28 | 42,5231339 |
| 7 | 38,25 | 37,8636273 |
| 9 | 28,42 | 31,3146163 |
| 10 | 25,23 | 27,8413827 |
| 12 | 18,85 | 21,3678392 |
| 14 | 13,77 | 16,0751948 |
| 16 | 11,27 | 12,0589089 |
| 18 | 7,83 | 9,11215035 |
| 20 | 6,33 | 6,97129726 |