|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Voltage (V)** | **Current (A)** | **Right (cm)** | **Left (cm)** | **d (m)** | **d^2** | **e/m** |
| 200 | 1.5 | 13.2 | 6.1 | (9.000±0.141)×10⁻² | (8.100±0.255)×10⁻³ | (1.546±0.296)×10¹¹ |
| 180 | 12.9 | 6.7 | (8.500±0.141)×10⁻² | (7.225±0.240)×10⁻³ | (1.560±0.301)×10¹¹ |
| 160 | 13 | 7 | (8.000±0.141)×10⁻² | (6.400±0.226)×10⁻³ | (1.565±0.306)×10¹¹ |
| 140 | 12.6 | 7.2 | (7.400±0.141)×10⁻² | (5.476±0.209)×10⁻³ | (1.601±0.319)×10¹¹ |
| 120 | 12.4 | 7.3 | (6.800±0.141)×10⁻² | (4.624±0.192)×10⁻³ | (1.625±0.332)×10¹¹ |
|  | | | | | | |
| 200 | 1.1 | 14.5 | 5.5 | (7.100±0.141)×10⁻² | (5.041±0.201)×10⁻³ | (1.336±0.198)×10¹¹ |
| 180 | 14.2 | 5.7 | (6.200±0.141)×10⁻² | (3.844±0.175)×10⁻³ | (1.577±0.239)×10¹¹ |
| 160 | 13.9 | 5.9 | (6.000±0.141)×10⁻² | (3.600±0.170)×10⁻³ | (1.496±0.231)×10¹¹ |
| 140 | 13.6 | 6.2 | (5.400±0.141)×10⁻² | (2.916±0.153)×10⁻³ | (1.617±0.259)×10¹¹ |
| 120 | 13.3 | 6.5 | (5.100±0.141)×10⁻² | (2.601±0.144)×10⁻³ | (1.553±0.259)×10¹¹ |

**I = 1.1 A**

--- e/m from data---

Average: (1.579±0.139)×10¹¹

Error from literature value = 10.20%

--- e/m from graph ---

e/m ratio = (1.726±0.014)×10¹¹

Error from literature value = 1.84%

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**I = 1.5 A**

--- e/m from data---

Average: (1.516±0.107)×10¹¹

Error from literature value = 13.82%

--- e/m from graph ---

e/m ratio = (2.225±0.085)×10¹¹

Error from literature value = 26.50%



