|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| DATA | Distance (mm) x | ­ | 1/Distance | C/(3.14\*radius\*radius) | |  | | --- | |  | |
|  | 7 | 1.5 | 0.142857143 | 191.0828025 |  |
|  | 8 | 3 | 0.125 | 382.1656051 |  |
|  | 9 | 4.5 | 0.111111111 | 573.2484076 |  |
|  | 10 | 6.6 | 0.1 | 840.7643312 |  |
|  | 11 | 8.7 | 0.090909091 | 1108.280255 |  |
|  | 12 | 10.3 | 0.083333333 | 1312.101911 |  |
|  |  |  |  |  |  |
| Fit -> | 1.252380952 |  | -129971.5808 |  |  |
|  |  |  |  |  |  |
| LINEST OUTPUT |  |  |  |  |  |
| Slope -> | 1.805714286 | -11.38761905 | <- y intercept |  |  |
| Uncertainty -> | 0.060090634 | 0.58001212 | <- uncert of y-int |  |  |
| R^2 -> | 0.995589824 | 0.251377159 | <- Variance |  |  |
| Fisher -> | 902.9932178 | 4 |  |  |  |
|  | 57.06057143 | 0.252761905 |  |  |  |
| LINEST OUTPUT |  |  |  |  |  |
| Slope -> | -18967.30414 | 2799.548152 | <- y intercept |  |  |
| Uncertainty -> | 2013.866179 | 223.0271547 | <- uncert of y-int |  |  |
| R^2 -> | 0.956852562 | 100.162623 | <- Variance |  |  |
| Fisher -> | 88.70538797 | 4 |  |  |  |
|  | 889941.3335 | 40130.20421 |  |  |  |
|  |  |  |  |  |  |