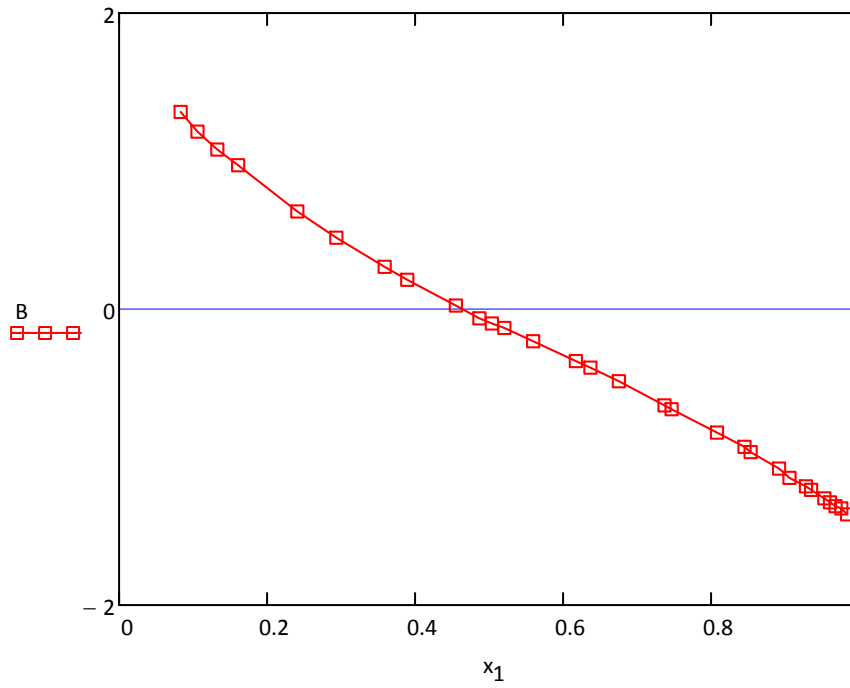


ORIGIN := 1
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|          |            |            |            |
|----------|------------|------------|------------|
| $x_1 :=$ | ( 0.0834 ) | ( 3.8957 ) | ( 1.0297 ) |
|          | 0.1061     | 3.4608     | 1.0448     |
|          | 0.1329     | 3.0925     | 1.0539     |
|          | 0.1610     | 2.8056     | 1.0626     |
|          | 0.2411     | 2.2293     | 1.1540     |
|          | 0.2939     | 1.9356     | 1.1962     |
|          | 0.3591     | 1.6969     | 1.2765     |
|          | 0.3896     | 1.6053     | 1.3185     |
|          | 0.4553     | 1.4540     | 1.4211     |
|          | 0.4872     | 1.3917     | 1.4831     |
|          | 0.5039     | 1.3684     | 1.5106     |
|          | 0.5209     | 1.3493     | 1.5339     |
|          | 0.5598     | 1.2915     | 1.6061     |
|          | 0.6175     | 1.2184     | 1.7332     |
|          | 0.6372     | 1.2058     | 1.7932     |
|          | 0.6756     | 1.1626     | 1.8955     |
|          | 0.7372     | 1.1084     | 2.1265     |
|          | 0.7468     | 1.1011     | 2.1688     |
|          | 0.8083     | 1.0621     | 2.4505     |
|          | 0.8453     | 1.0435     | 2.6489     |
|          | 0.8537     | 1.0395     | 2.7352     |
|          | 0.8920     | 1.0228     | 3.0081     |
|          | 0.9061     | 1.0169     | 3.1844     |
|          | 0.9285     | 1.0119     | 3.3567     |
|          | 0.9353     | 1.0106     | 3.4333     |
|          | 0.9533     | 1.0088     | 3.6277     |
|          | 0.96080    | 1.0070     | 3.7223     |
|          | 0.9684     | 1.0063     | 3.8161     |
|          | 0.9763     | 1.0053     | 3.8714     |
|          | 0.9839 )   | 1.0034 )   | 4.0228 )   |

i := 1 .. 30

$$B_i := \ln \left( \frac{\gamma_{1,i}}{\gamma_{2,i}} \right)$$



$$F(x_1) := \begin{pmatrix} 1 \\ x_1 \\ x_1^2 \\ x_1^3 \\ x_1^4 \\ x_1^5 \end{pmatrix}$$

$$A := \text{linfit}(x_1, B, F) = \begin{pmatrix} 1.7576 \\ -5.6602 \\ 4.6434 \\ 0.5137 \\ -4.8185 \\ 2.1238 \end{pmatrix}$$

$$f(x_1) := F(x_1) \cdot A$$

$$\text{corr}(\overrightarrow{f(x_1)}, B) = 1$$

$$D(x_1) := \sum_{n=1}^6 (A_n \cdot x_1^{n-1})$$

$$I := \int_0^1 D(x_1) dx_1 = -6.028 \times 10^{-3}$$

$$x_1 := 0.2$$

$$t := \text{root}(D(x_1), x_1) = 0.4659$$

$$P := \int_0^t D(x_1) dx_1 = 0.3496$$

$$N := \int_t^1 D(x_1) dx_1 = -0.3556$$

$$A := 100 \cdot |I| = 0.603$$

$$D := 100 \cdot \left( \frac{|I|}{P + |N|} \right) = 0.855$$