

**Calculation #1. Thu Apr 24 17:01:34 UTC 2025**

Entered number of components: 100

Distribution function is: Weibull

1. Rank regression method.

Probability function parameter  $\beta=2.1008248$   $\eta=1.0345975$

2. MLE method.

Probability function parameter  $\beta=2.0405922$   $\eta=1.043171$

3. MLE method for recurrent event prediction. Log likelihood=-130.87527

Probability function parameter  $\beta=1.9314783$   $\eta=1.0909183$

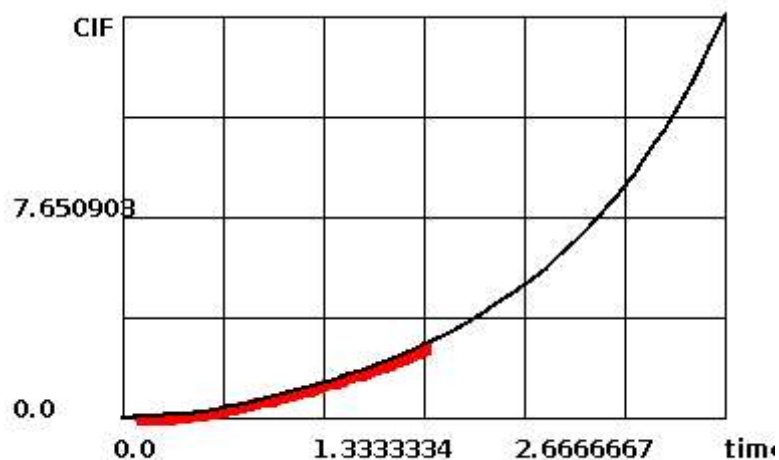
Restoration factors  $q=0.26468012$   $qq=0.39835262$

Mean time to repair is 0.0

Extended Kijima Model 1 is used in the calculation

Scale parameter type is 1 is used in the calculation

Standard deviation (residual error) is 0.04300982488180208



| Time | CIF         | FIF        |
|------|-------------|------------|
| 0.1  | 0.009848713 | 0.27696872 |
| 0.2  | 0.037545584 | 0.44192833 |
| 0.3  | 0.08173842  | 0.5972397  |
| 0.4  | 0.14146239  | 0.74344593 |
| 0.5  | 0.21580698  | 0.8804987  |
| 0.6  | 0.30385685  | 1.0085478  |
| 0.7  | 0.40471163  | 1.1327584  |

|     |            |           |
|-----|------------|-----------|
| 0.8 | 0.5179875  | 1.2503446 |
| 0.9 | 0.64302194 | 1.3603117 |
| 1.0 | 0.7790531  | 1.4689304 |
| 1.1 | 0.9259461  | 1.57668   |
| 1.2 | 1.0836141  | 1.686511  |
| 1.3 | 1.2522652  | 1.801132  |
| 1.4 | 1.4323784  | 1.9106476 |
| 1.5 | 1.6234432  | 2.0348716 |
| 1.6 | 1.8269303  | 2.167517  |
| 1.7 | 2.043682   | 2.303637  |
| 1.8 | 2.2740457  | 2.455119  |
| 1.9 | 2.5195577  | 2.6045454 |
| 2.0 | 2.7800121  | 2.7772145 |
| 2.1 | 3.0577335  | 2.9521089 |
| 2.2 | 3.3529446  | 3.1705236 |
| 2.3 | 3.669997   | 3.3990953 |
| 2.4 | 4.0099063  | 3.6625805 |
| 2.5 | 4.3761644  | 3.9719486 |
| 2.6 | 4.7733593  | 4.250519  |
| 2.7 | 5.1984115  | 4.5487967 |
| 2.8 | 5.6532907  | 4.9574056 |
| 2.9 | 6.1490316  | 5.3399925 |
| 3.0 | 6.6830306  | 5.782185  |
| 3.1 | 7.261249   | 6.259545  |
| 3.2 | 7.8872037  | 6.7748384 |
| 3.3 | 8.564688   | 7.3720245 |
| 3.4 | 9.30189    | 8.029843  |
| 3.5 | 10.104875  | 8.711513  |

|     |           |           |
|-----|-----------|-----------|
| 3.6 | 10.976026 | 9.457778  |
| 3.7 | 11.921803 | 10.307262 |
| 3.8 | 12.95253  | 11.255999 |
| 3.9 | 14.07813  | 12.23677  |
| 4.0 | 15.301806 | 13.21754  |