Abstract

Software reliability growth models using Non-Homogeneous Poisson Process(NHPP) with a mean value function—dependent on Linearly falling fault detection rate as proposed in the literature is considered. The well known Sequential Probability Ratio Test (SPRT) procedure of statistical science is adopted for the model in order to decide upon the reliability/unreliability of
developed software. The performance of the proposed model is demonstrated by using 6 Data Sets.

Reference


Index Terms

Computer Science  Signal Processing

Key words
<table>
<thead>
<tr>
<th>GOM</th>
<th>Maximum Likelihood Estimation</th>
<th>Decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>lines</td>
<td>Software testing</td>
<td>Software failure data</td>
</tr>
</tbody>
</table>