

## Bayesian parameter estimation with prior weighting in ALT model

Submitted by Emmanuel Lemoine on Thu, 01/30/2014 - 14:53

Titre	Bayesian parameter estimation with prior weighting in ALT model
Type de publication	Communication
Type	Communication avec actes dans un congr�s
Ann�e	2009
Langue	Anglais
Date du colloque	2009
Titre du colloque	The Annual Reliability and Maintainability Symposium, RAMS 2009
Titre des actes ou de la revue	The Annual Reliability and Maintainability Symposium, RAMS 2009
Pagination	53 - 58
Auteur	Voiculescu, Sorin [1], Gu�rin, Fabrice [2]
Pays	Etats-Unis
Ville	Fort Worth
ISBN	978-1-4244-2508-2 / 978-1-4244-2509-9
Mots-cl�s	Accelerated life testing [3], accelerated testing [4], Acceleration [5], ALT model [6], Bayes methods [7], Bayesian inference [8], Bayesian methods [9], Bayesian parameter estimation [10], Concrete [11], constant stress levels [12], Context modeling [13], Life estimation [14], life testing [15], Lifetime estimation [16], maximum a posteriori method [17], maximum likelihood estimation [18], Paper technology [19], parameter estimation [20], reliability theory [21], Stress [22]
R�sum� en anglais	This paper provides an overview of the application of Bayesian inference to accelerated life testing (ALT) models for the concrete case of estimation by Maximum of Aposteriori (MAP) method in the case of constant stress levels. It studies the Bayesian inference over the accelerated life model as presented in [1]. It suites, integrates and generalizes the particular cases presented in [2] and [3]. Towards the end, weighting of the prior information according to data is integrated. The paper also illustrates an experimental example.
Notes	Date du colloque : 01/2009
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua1699">http://okina.univ-angers.fr/publications/ua1699</a> [23]
DOI	10.1109/RAMS.2009.4914649 [24]
Lien vers le document en ligne	<a href="http://dx.doi.org/10.1109/RAMS.2009.4914649">http://dx.doi.org/10.1109/RAMS.2009.4914649</a> [24]

---

### Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=2205](http://okina.univ-angers.fr/publications?f[author]=2205)

- [2] <http://okina.univ-angers.fr/fabrice.guerin/publications>
- [3] [http://okina.univ-angers.fr/publications?f\[keyword\]=6204](http://okina.univ-angers.fr/publications?f[keyword]=6204)
- [4] [http://okina.univ-angers.fr/publications?f\[keyword\]=6205](http://okina.univ-angers.fr/publications?f[keyword]=6205)
- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=3604](http://okina.univ-angers.fr/publications?f[keyword]=3604)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=6206](http://okina.univ-angers.fr/publications?f[keyword]=6206)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=6207](http://okina.univ-angers.fr/publications?f[keyword]=6207)
- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=6208](http://okina.univ-angers.fr/publications?f[keyword]=6208)
- [9] [http://okina.univ-angers.fr/publications?f\[keyword\]=6209](http://okina.univ-angers.fr/publications?f[keyword]=6209)
- [10] [http://okina.univ-angers.fr/publications?f\[keyword\]=6210](http://okina.univ-angers.fr/publications?f[keyword]=6210)
- [11] [http://okina.univ-angers.fr/publications?f\[keyword\]=3942](http://okina.univ-angers.fr/publications?f[keyword]=3942)
- [12] [http://okina.univ-angers.fr/publications?f\[keyword\]=6211](http://okina.univ-angers.fr/publications?f[keyword]=6211)
- [13] [http://okina.univ-angers.fr/publications?f\[keyword\]=6212](http://okina.univ-angers.fr/publications?f[keyword]=6212)
- [14] [http://okina.univ-angers.fr/publications?f\[keyword\]=6213](http://okina.univ-angers.fr/publications?f[keyword]=6213)
- [15] [http://okina.univ-angers.fr/publications?f\[keyword\]=6214](http://okina.univ-angers.fr/publications?f[keyword]=6214)
- [16] [http://okina.univ-angers.fr/publications?f\[keyword\]=6215](http://okina.univ-angers.fr/publications?f[keyword]=6215)
- [17] [http://okina.univ-angers.fr/publications?f\[keyword\]=6216](http://okina.univ-angers.fr/publications?f[keyword]=6216)
- [18] [http://okina.univ-angers.fr/publications?f\[keyword\]=6217](http://okina.univ-angers.fr/publications?f[keyword]=6217)
- [19] [http://okina.univ-angers.fr/publications?f\[keyword\]=6218](http://okina.univ-angers.fr/publications?f[keyword]=6218)
- [20] [http://okina.univ-angers.fr/publications?f\[keyword\]=6219](http://okina.univ-angers.fr/publications?f[keyword]=6219)
- [21] [http://okina.univ-angers.fr/publications?f\[keyword\]=6220](http://okina.univ-angers.fr/publications?f[keyword]=6220)
- [22] [http://okina.univ-angers.fr/publications?f\[keyword\]=4022](http://okina.univ-angers.fr/publications?f[keyword]=4022)
- [23] <http://okina.univ-angers.fr/publications/ua1699>
- [24] <http://dx.doi.org/10.1109/RAMS.2009.4914649>

Publié sur *Okina* (<http://okina.univ-angers.fr>)