

Accepted Manuscript

Use of non-destructive testing methods in a new one-specimen test strategy for the estimation of fatigue data

P. Starke, H. Wu

PII: S0142-1123(18)30053-7
DOI: <https://doi.org/10.1016/j.ijfatigue.2018.02.011>
Reference: IJF 4576

To appear in: *International Journal of Fatigue*

Received Date: 8 October 2017
Revised Date: 7 February 2018
Accepted Date: 8 February 2018

Please cite this article as: Starke, P., Wu, H., Use of non-destructive testing methods in a new one-specimen test strategy for the estimation of fatigue data, *International Journal of Fatigue* (2018), doi: <https://doi.org/10.1016/j.ijfatigue.2018.02.011>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Use of non-destructive testing methods in a new one-specimen test strategy for the estimation of fatigue data*P. Starke^{1)*}, H. Wu¹⁾*

¹⁾ Chair of Non-Destructive Testing and Quality Assurance

Saarland University, Saarbrücken, Germany

* Tel.: +49-681-302-64187
Fax: +49-681-302-4859
E-Mail: peter.starke@uni-saarland.de

Highlights

- The SteBLife approach is a new short-time calculation method, which allows to provide S-N-data on the basis of a small number of fatigue tests.
- It is shown how the potential of non-destructive testing methods, the digitalisation of the measurement techniques as well as signal processing can be combined in order to reach a gain in information concerning the fatigue behaviour of metallic materials.
- For the first investigations in accordance to the new SteBLife approach, temperature measurements by means of an infrared camera were used.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات