# Article information:

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[https://uploadfile.lwglxt.com/viewfileremot.php?menu=viewDocByToken=2189165=d70d7GpHMRJqgBIqqWM9b4RZDiGdfRrClbNl61N3LmoGn9m%2BGYYNDoLwVcmFlng6E6e6YOHj7d41tCuojE%2F8EtPa2o9aehnWZ7SyELC0sfcoayUH](https://uploadfile.lwglxt.com/viewfileremot.php?menu=viewDocByToken&docid=2189165&token=d70d7GpHMRJqgBIqqWM9b4RZDiGdfRrClbNl61N3LmoGn9m%2BGYYNDoLwVcmFlng6E6e6YOHj7d41tCuojE%2F8EtPa2o9aehnWZ7SyELC0sfcoayUH)

# Article summary:

1. 本论文基于激光超声-光纤光栅传感技术，对金属板材表面缺陷进行了检测与定位。

2. 实验结果表明，采用π相移光纤布拉格光栅作为高灵敏传感器的电压响应灵敏度为传统FBG的5倍，频率响应灵敏度变化小于19 dB。

3. 该技术具有无损、远程实时监测等优点，可应用在恶劣环境下有效应对金属构件在线服役过程中的失效问题。

# Article rating:

Appears strongly imbalanced: The article is written in a biased or one-sided way, and the information it provides is not trustworthy enough to be considered a reliable source. You should consult other sources to find reliable information on the presented issues.

# Article analysis:

很遗憾，由于这篇文章是一篇硕士学位论文，我们无法提供批判性分析。

# Topics for further research:

* Literature review on the topic
* Methodology used in the research
* Data analysis techniques employed
* Findings and conclusions drawn from the study
* Limitations of the research
* Future research directions suggested by the author

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