

# A Mean Stress Model of Fatigue Life of Metal Materials under Multiaxial Loading

xiangqiao yan<sup>1</sup>

<sup>1</sup>Harbin Institute of Technology

May 5, 2020

## Abstract

In this note, a linear mean stress model is presented on basis of the multiaxial model of fatigue life of metal materials proposed by Liu and Yan. By using the experimental data of fatigue life of metal materials reported in the literature, the model is systematically validated.

## Hosted file

+S355J0---mean stress effect.docx available at <https://authorea.com/users/301726/articles/431713-a-mean-stress-model-of-fatigue-life-of-metal-materials-under-multiaxial-loading>