Johns Hopkins Engineering

Applied Machine Learning for Mechanical Engineers

Machine Learning of Dislocation-Induced Stress Fields and Interaction Forces, Part 2, B

Peach-Koehler Problem

- By the end of this lecture, you will be able to:

  - ○ Apply Peach-Koehler machine learning model of Rafiei et al. (2020) in Python

Rafiei, M. H., Gu, Y., & El-Awady, J. A. (2020). Machine Learning of Dislocation-Induced Stress Fields and Interaction Forces. JOM, 1-13.

Peach-Koehler Problem

Let's jump to Module12_B.ipynb

3   Rafiei, M. H., Gu, Y., & El-Awady, J. A. (2020). Machine Learning of Dislocation-Induced Stress Fields and Interaction Forces. JOM, 1-13.

Peach-Koehler Problem

- **In this lecture, you learned about:**

  - How to apply Peach-Koehler machine learning model of Rafiei et al. (2020) in Python

- **In the next module, we will talk about machine learning using supercomputers**

4   Rafiei, M. H., Gu, Y., & El-Awady, J. A. (2020). Machine Learning of Dislocation-Induced Stress Fields and Interaction Forces. JOM, 1-13.