

Title: Wind turbine blade data

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Spanning 20 years and ideal for assessing wind power and meteorological variables at heights relevant for wind turbines, the data are accessible via download, API, and visualization tools.

This dataset provides a comprehensive collection of vibration data pertaining to various fault cases in wind turbine blades, compared to the healthy case. The data include measurements ...

DATA USE: ===== The dataset contains images of 6 wind turbine blade patches with varying levels of damage and roughness, together with images from a small blade ...

Achieving intelligent and automated detection of defects in wind turbine blades has become a critical task for contemporary wind farm inspection operations. However, existing datasets ...

This damage is at 80% span on the suction side shell. This turbine has been running for approximately 30% of its design lifetime. Minor variances from supply specifications but within acceptable (or ...

The proposed dataset aims to provide a number of wind turbine blade images for testing and training purposes.

In this article, we use real high-frequency data from a 45 kW experimental wind turbine on Bj&#246;rk&#246; Island, Sweden, to decode the physics behind these structural moments.

Blade30 is a comprehensive dataset for multiple blade-related tasks, including blade stitching, segmentation, defect detection, classification and deduplication, contamination detection and ...

This dataset contains over 3800 high-resolution images of surface defects on wind turbine blades with diverse and diverse backgrounds.

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