

Title: Wind turbine blades hitting the tower

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The lower wind speed is experienced by blade 2 due to wind shear, its tip displacement and blade root shear force are markedly higher than those of the other two blades, indicating the ...

A massive wind turbine blade crashed onto I-70 at the I-81 interchange in Maryland, forcing a two-hour shutdown of the roadway. The blade fell during transport and landed across multiple lanes ...

An 80-meter wind turbine snapped in half and collapsed onto a road Monday in Yeongdeok County, North Gyeongsang Province. Debris from the blades, which were spi

A review of the root causes and mechanisms of damage and failure to wind turbine blades is presented in this paper. In particular, the mechanisms of leading edge erosion, adhesive joint degradation, ...

The present paper employs the application of high fidelity finite element method to investigate the damage behavior in the blade when the leading edge of the blade hits the tower.

Want to know how wind turbine designers make sure that the blades can't hit the tower? In this video I am going to talk about how to choose whether to put the blades upwind or...

This paper presents a case study of an actual wind turbine blade failure event caused by a lightning strike in the midwestern United States. The nature of the debris field is described, along with ...

Damage from lightning to wind turbine blades strongly depends on the structural materials.

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