



Mechanical & Industrial Engineering
UNIVERSITY OF TORONTO

Birdstrike and Novel Design of Fan Blades

One major problem in aircraft safety is bird strike. The bird is digested in the engine during take-off or landing. This results in local and global damage to the aircraft and could lead to fatalities. The objective of this research is not only to evaluate that damage using finite element but also improve the fan design to accommodate birdstrikes. We have published numerous papers on this topic and we are interested in improving the material model for the striking birds as well as focus our attention to specific birds.

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