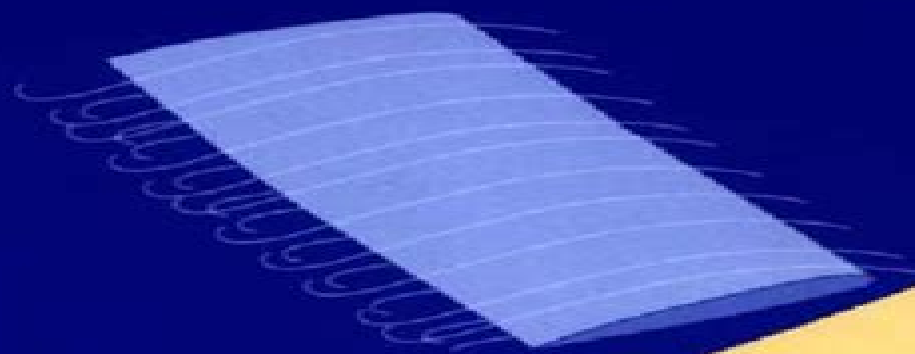


Introduction to Structural Dynamics and Aeroelasticity

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Piezoelectric Energy Harvesting Alper Erturk,Daniel J. Inman,2011-04-04 The transformation of vibrations into electric energy through the use of piezoelectric devices is an exciting and rapidly developing area of research with a widening range of applications constantly materialising With Piezoelectric Energy Harvesting world leading researchers provide a timely and comprehensive coverage of the electromechanical modelling and applications of piezoelectric energy harvesters They present principal modelling approaches synthesizing fundamental material related to mechanical aerospace civil electrical and materials engineering disciplines for vibration based energy harvesting using piezoelectric transduction Piezoelectric Energy Harvesting provides the first comprehensive treatment of distributed parameter electromechanical modelling for piezoelectric energy harvesting with extensive case studies including

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