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basic aerodynamics ksu Dec 18 2021 web module 8 basic aerodynamics issue 1 effective date 2017 07 28 for training purposes only page 17 of 74 8 2 aerodynamics in addition to definition given in submodule 8 1 aerodynamics as the science describing body s movement in an air thus it is a branch of dynamics which deals with the motion of air and other

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automotive aerodynamics wikipedia Jul 25 2022 web automotive aerodynamics is the study of the aerodynamics of road vehicles its main goals are reducing drag and wind noise minimizing noise emission and preventing undesired lift forces and other causes of aerodynamic instability at high speeds air is also considered a fluid in this case for some classes of racing vehicles it may also be

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surface reduced drag when in ground effect during takeoff can cause the aircraft to float while below the recommended climb speed the pilot can then fly just above the runway while the aircraft accelerates in ground effect until a

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the international formula one series and american racing indycars employ ground effects in their engineering and

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