

**Aerodynamic Heating Of Supersonic Blunt Bodies By David C. Chou  
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For one thing, I have serious reservations about Washington's capacity to maintain primacy in the face of China's growing power, not least because the economic dynamics at the heart of Asia's strategic transformation seem more likely than not to continue over the long term.

Geopolitically, this should give Australia more room to move.

It would also demand a major overhaul of the administrative foundations of Australian defense policy, which is in a quite parlous state at present.

That decision isn't necessarily irreversible, but since some initial design choices will need to be made soon to avoid a capability gap as the Collins Class is phased out, it seems likely to be decisive.

In this regard, large, nuclear powered attack submarines the Virginia or Astute class, for example, which are fast, quiet, comprised of mature technology and limited only by the endurance of their crews would be ideal.

require the Navy to concentrate its relatively small number of personnel rather than improving redundancy

In the meantime, the chief purpose of Australian grand strategy should be to defer that decision for as long as possible.

Marines doesn't mean much in operational terms, but it's symbolic of Australia's early enlistment in a much more adversarial U.S.

The visit included stopovers in Canberra and Darwin, the two places most pertinent to a new bilateral defense arrangement, and a speech in which Obama reasserted U.S.

China is Australia's largest trading partner, but just recently reaffirmed its strategic alliance with the U.S.

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analysis of the velocity and deceleration history of ballistic missiles entering the earth's atmosphere at high supersonic aerodynamic heating BLUNT

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(especially due to the lack of discontinuity between supersonic and hypersonic because of the aerodynamic heating rising with a blunt shape: Similarity

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Modern rockets were born when Goddard attached a supersonic The Blunt Body theory made possible the heat shield designs that were embodied in the Mercury,

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Numerical Simulation of Aerodynamic Heating Reduction due to Opposing Jet in Supersonic Flow

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David C. Chou and Theodore Aerodynamic heating of a blunt body is a A simple similarity solution of supersonic blunt body boundary layerflows with

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AD/A-001 135 AERODYNAMIC HEATING OF SUPERSONIC BLUNT BODIES David C. Chou, et al!X Iowa University Prepared for: Army Research Office-Durham

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This paper presents results of investigations of the aerodynamic heating of for different pointed or blunt EQUATIONS, SUPERSONIC FLIGHT

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Nov 29, 2012 (the use of supercomputers to solve aerodynamic fact that aerodynamic heating to the nose is the supersonic blunt body problem

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reduce aerodynamic heating at the nose of blunt body. Remarkable aerodynamic heating reduction opposing jet in supersonic flow is proved to be very effective. Fig

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But the reason is due to aerodynamic heating. Who introduced the idea of making the nose of rockets blunt, against the rules of aerodynamics supersonic and

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Supersonic Flow Past a Family of Blunt Axisymmetric Bodies: and David C. Larson: Aerodynamic Heating of Conical Entry Vehicles at Speeds in

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He designed a space shuttle which operated as a blunt body by entering in the dynasty of Chou (B. C and Aerodynamic Heating of Ballistic

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Aug 09, 2009 1958 Footage from NASA Langley Research Center aerodynamic heating research. Several model noses were tested for performance comparison at various Mach

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Aerodynamic heating is the conversion of kinetic on Blunt Bodies with Highly flow and heat transfer problem for bodies moving at supersonic

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Designing of Supersonic and hypersonic vehicles has major problems in reducing drag and aerodynamics heating which are consider as important criteria. In hypersonic

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