**Article Title**

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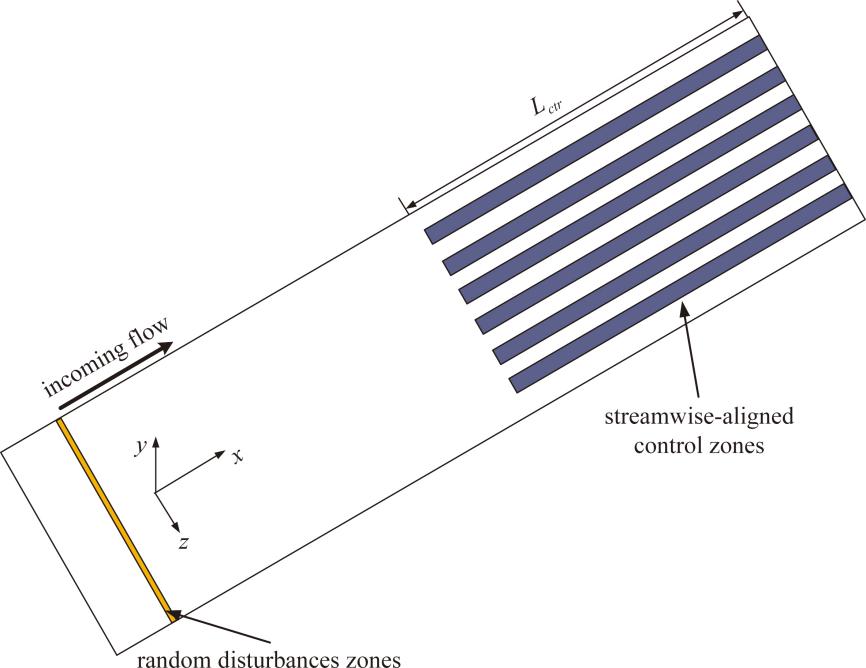
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**2 Section Title**

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**Fig. 1** Schematic of hypersonic flat-plate with streamwise-aligned control zones (each slot is equidistant from the other)

*2.1.1 Sub-sub heading for section*

Text for this sub-sub-heading ...

**Table 1** Control parameters

|  |  |  |
| --- | --- | --- |
| **Case** | ***Δv*** | ***ΔT*** |
| NC | 0 | 0 |
| B1H1 | 0.1% | 1% |
| B1 | 0.1% | 0 |
| H1 | 0 | 1% |

**2.2 Sub-heading for Section**

Text for this sub-heading ...

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, (1)

where

, ,(2)

*x* is the distance from the leading edge of the flat-plate, and  are respectively the mean viscosity and temperature of wall. ...

|  |  |
| --- | --- |
|  |  |
| (a) NC | (b) B1H1 |

**Fig. 2** Iso-surface of *Q* = 0.2 to visualize vortical structures (colored by streamwise velocity)

*2.2.2 Sub-sub heading for section*

Text for this sub-sub-heading ...

...

**3 Section Title**

Text for this section ...

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Text for this Section ... (The Conclusions section should state clearly the main conclusions and include an explanation of their relevance or importance to the field.)

**List of abbreviations** (If abbreviations are used in the text they should be defined in the text at first use, and a list of abbreviations should be provided.)

CFD Computational fluid dynamics

LES Large eddy simulation

DNS Direct numerical simulation

...

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1. Jiang D, Mao M, Li J et al (2019) An implicit parallel UGKS solver for flows covering various regimes. Adv Aerodyn 1:8
2. Cercignani C (2000) Rarefied gas dynamics: from basic concepts to actual calculations. Cambridge University Press, Cambridge
3. ISSN International Centre (2006) The ISSN register. http://www.issn.org. Accessed 20 Feb 2007

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