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绕非对称头锥的分离系数矩阵差分法

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SPLIT-COEFFICIENT MATRIX FINIT DIFFERENCE METHOD FOR THE ASYMMETRIC NOSE-CONE

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摘要

一、亚跨区SCM方法 （一）基本方程和边界条件 建立在球坐标下无因次化的拟非定常欧拉方程组为

d_t+Ad_x+B_y+C_z+D=0
p=r-1/rp(H_i-u²+v²+w²/2)。

关键词：

Abstract：

The split-coefficient matrix （SCM） for solving inviscid flow over the asymmetric nose-cone is presented. According to SCM technique, governing equations are solved by MacCormack's second-order scheme in a predictor-corrector sequence. The present paper presents the numerical results of the flow field and aerodynamic characteristics over an asymmetric nose-cone.The accuracy analyses of the results are also given in this paper.

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