

may become large enough to significantly affect the velocity distribution and consequently affect the heat transfer for this problem. Also, a mathematical model of temperature distribution in slip-flow has been established by combining the energy and momentum equations.

APPENDIX A

PROGRAMS FOR COMPUTATION OF EIGENVALUES

APPENDIX D

THE INTEGRAL OF EQ. (3.18)

Therefore,

$$C_i = -\frac{2}{\lambda_i} \frac{1}{\left(\frac{dG_i}{d\lambda_i}\right)_{r^*=1}} \quad (\text{D.10})$$

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