Theoretical Competition: 12 July 2011

Student Code ☐☐☐–☐

IPhO 42
International
Physics Olympiad
Bangkok Thailand, 2011

Question Number **2**

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ANSWER SHEET

2.1 $\dfrac{\rho_i T_i}{\rho_a T_a} =$

2.2 The numerical value of $\dfrac{\rho_i T_i}{\rho_a T_a} - 1$ is

2.3 The minimum value of T_i is

2.4 The minimum velocity u is

2.5 The numerical value of u is

2.6 An equation describing R_1 is

2.7 ΔR is given by

2.8 The expression for q is

The numerical value of q is

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