

Rev.May.2012



Magdalene Prize Competition in Thermodynamics

The competition is sponsored by Magdalene College in the University of Cambridge. A sum of €1000 has been deposited with the College as prize money. Enquiries may be made to the Tutorial Office.

The topic for the competition is to explain the anomalous nature of the Thomson coefficient in thermoelectricity where observed values in Group 10 of the Periodic Table are generally negative but are positive in Group 11. A further account is published with these rules. A satisfactory entry will enable values of the coefficient to be calculated from first principles with a view to predicting values in new materials.

The competition shall close 1 July 2016.

Entries shall be in the form of a manuscript submitted to a peer-reviewed international refereed journal for publication in the normal way with a copy to the Senior Tutor at the email address below. Manuscripts should be marked "Magdalene prize entry". Acceptance for publication by the journal shall be recognition of a valid entry. If there is more than one valid entry, the decision of the College shall determine the winner or winners. The prize money shall be shared equally between winners.

If there is no valid entry and hence no winner, the prize money shall be applied to the furtherance of engineering education in Magdalene College, at the sole discretion of the Senior Tutor (email: senior.tutor@magd.cam.ac.uk). See also the College web page:

<http://www.magd.cam.ac.uk/thermoprize/index.html>