AN ELEMENTARY TREATISE ON PARTIAL DIFFERENTIAL EQUATIONS DESIGNED FOR THE USE OF STUDENTS IN THE UNIVERSITY

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An Elementary Treatise on Partial Differential Equations designed for the use of students in the university by George Biddell Airy

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GEORGE BIDDELL AIRY

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AN

ELEMENTARY TREATISE

ON

PARTIAL DIFFERENTIAL EQUATIONS

Designed for the Use of Students in the University.

BY

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PREFACE TO THE FIRST EDITION.

THE work now offered to the University is strictly an Elementary Treatise. No attempt has been made to go into all the varied details, of methods and examples, which present themselves in the wide field of Partial Differential Equations, considered purely as an Algebraical subject.

I have endeavoured, however, to omit no important consideration affecting the Principles of those Equations. And I trust that the methods of solution here explained, and the instances exhibited, will be found sufficient for application to nearly all those important problems of Physical Science, which require for their complete investigation the aid of Partial Differential Equations.

G. B. AIRY.

ROYAL OBSERVATORY, GREENWICH,
1866, *August* 15.

PREFACE TO THE SECOND EDITION.

SEVERAL verbal alterations are made in this Edition; two small paragraphs are added; and some sentences are introduced, referring to works in which examples of the application of the Theory of Partial Differential Equations may be found. But nothing is changed in the plan of the work, and no alterations are made in the numbering of the Articles.

G. B. AIRY.

ROYAL OBSERVATORY, GREENWICH,
1873, *July* 15.

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