AN ELEMENTARY TREATISE ON SOLID GEOMETRY

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An elementary treatise on solid geometry by Charles Smith

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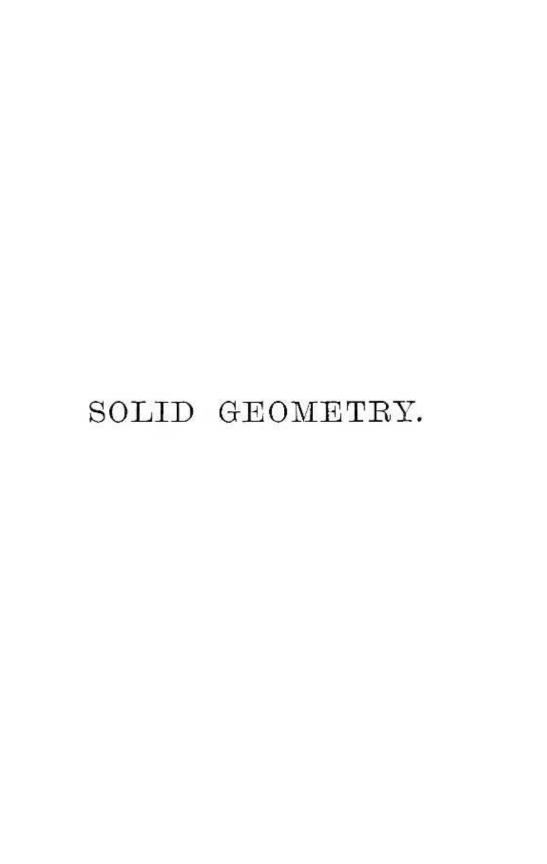
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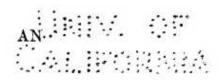
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ELEMENTARY TREATISE

ON

SOLID GEOMETRY

BY

CHARLES SMITH, M.A.

FELLOW AND TUTOR OF SIDNEY SUSSEX COLLEGE, CAMBRIDGE.

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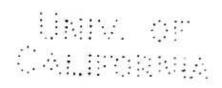
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PREFACE.

THE following work is intended as an introductory textbook on Solid Geometry, and I have endeavoured to present the elementary parts of the subject in as simple a manner as possible. Those who desire fuller information are referred to the more complete treatises of Dr Salmon and Dr Frost, to both of which I am largely indebted.

I have discussed the different surfaces which can be represented by the general equation of the second degree at an earlier stage than is sometimes adopted. I think that this arrangement is for many reasons the most satisfactory, and I do not believe that beginners will find it difficult.

The examples have been principally taken from recent University and College Examination papers; I have also included many interesting theorems of M. Chasles.

I am indebted to several of my friends, particularly to Mr S. L. Loney, B.A., and to Mr R. H. Piggott, B.A., Scholars of Sidney Sussex College, for their kindness in looking over the proof sheets, and for valuable suggestions.

CHARLES SMITH.

Sidney Sussex College, April, 1884.

