ELEMENTS OF THE DIFFERENTIAL AND INTEGRAL CALCULUS; PP. 1-281

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Elements of the Differential and Integral Calculus; pp. 1-281 by Charles Davies

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CHARLES DAVIES

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ELEMENTS

OF THE

DIFFERENTIAL AND INTEGRAL

CALCULUS.

BY CHARLES DAVIES, LL. D.,

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ELEMENTS OF SURVEYING, ELEMENTS OF DESCRIPTIVE GEOMETRY, ELEMENTS OF ANALYTICAL GEOMETRY, AND
SHADES SHADOWS, AND PERSPECTIVE.

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PREFACE.

THE Differential and Integral Calculus is justly considered the most difficult branch of the pure Mathematics.

The methods of investigation are, in general, not as obvious nor the connection between the reasoning and the results so clear and striking, as in Geometry, or in the elementary branches of analysis.

It has been the intention, however, to render the subject as plain as the nature of it would admit, but still, it cannot be mastered without patient and severe study.

This work is what its title imports, an Elementary Treatise on the Differential and Integral Calculus. It might have been much enlarged, but being intended for a text-book, it was not thought best to extend it beyond its present limits.

The works of Boucharlat and Lacroix have been freely used, although the general method of arranging the subjects is quite different from that adopted by either of those distinguished authors.

The present is a corrected, and it is hoped an improved edition. The first chapter has been entirely re-written, and some of the other parts of the work have been considerably altered.

West Point, *March*, 1843.

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