

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Complètes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

## CAMBRIDGE LIBRARY COLLECTION

*Books of enduring scholarly value*

### **Mathematical Sciences**

From its pre-historic roots in simple counting to the algorithms powering modern desktop computers, from the genius of Archimedes to the genius of Einstein, advances in mathematical understanding and numerical techniques have been directly responsible for creating the modern world as we know it. This series will provide a library of the most influential publications and writers on mathematics in its broadest sense. As such, it will show not only the deep roots from which modern science and technology have grown, but also the astonishing breadth of application of mathematical techniques in the humanities and social sciences, and in everyday life.

### **Oeuvres complètes**

Augustin-Louis, Baron Cauchy (1789-1857) was the pre-eminent French mathematician of the nineteenth century. He began his career as a military engineer during the Napoleonic Wars, but even then was publishing significant mathematical papers, and was persuaded by Lagrange and Laplace to devote himself entirely to mathematics. His greatest contributions are considered to be the *Cours d'analyse de l'École Royale Polytechnique* (1821), *Résumé des leçons sur le calcul infinitésimal* (1823) and *Leçons sur les applications du calcul infinitésimal à la géométrie* (1826-8), and his pioneering work encompassed a huge range of topics, most significantly real analysis, the theory of functions of a complex variable, and theoretical mechanics. Twenty-six volumes of his collected papers were published between 1882 and 1958. The first series (volumes 1–12) consists of papers published by the Académie des Sciences de l'Institut de France; the second series (volumes 13–26) of papers published elsewhere.

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Completes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection will bring back to life books of enduring scholarly value across a wide range of disciplines in the humanities and social sciences and in science and technology.

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Completes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

# Oeuvres complètes

*Series 1*

VOLUME 12

AUGUSTIN LOUIS CAUCHY



CAMBRIDGE  
UNIVERSITY PRESS

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Completes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

CAMBRIDGE UNIVERSITY PRESS

Cambridge New York Melbourne Madrid Cape Town Singapore São Paulo Delhi

Published in the United States of America by Cambridge University Press, New York

[www.cambridge.org](http://www.cambridge.org)

Information on this title: [www.cambridge.org/9781108002813](http://www.cambridge.org/9781108002813)

© in this compilation Cambridge University Press 2009

This edition first published 1900

This digitally printed version 2009

ISBN 978-1-108-00281-3

This book reproduces the text of the original edition. The content and language reflect the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Completes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

ŒUVRES

COMPLÈTES

D'AUGUSTIN CAUCHY

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Completes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

---

---

PARIS. — IMPRIMERIE GAUTHIER-VILLARS,  
Quai des Augustins, 55.

---

Cambridge University Press  
978-1-108-00281-3 - Oeuvres Complètes, Volume 12  
Augustin Louis Cauchy  
Frontmatter  
[More information](#)

# ŒUVRES

COMPLÈTES

# D'AUGUSTIN CAUCHY

PUBLIÉES SOUS LA DIRECTION SCIENTIFIQUE

DE L'ACADÉMIE DES SCIENCES

ET SOUS LES AUSPICES

DE M. LE MINISTRE DE L'INSTRUCTION PUBLIQUE.



I<sup>RE</sup> SÉRIE. — TOME XII,

AVEC UNE TABLE GÉNÉRALE DE LA PREMIÈRE SÉRIE.



PARIS,

GAUTHIER-VILLARS, IMPRIMEUR-LIBRAIRE

DU BUREAU DES LONGITUDES, DE L'ÉCOLE POLYTECHNIQUE,

Quai des Augustins, 55.

—

MCM.