

## **A Convergence of Paths: Arthur Cayley, Charles Hermite, James Joseph Sylvester, and the Early Development of Invariant Theory**

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Over the course of the first half of the 1850s, Cayley and Sylvester in England and Hermite in France on the other side of the English Channel made common cause in the development of a new theory, the theory of invariants. At the same time, they worked to establish their respective careers in mathematics. This talk will show how and where their mathematical and broader professional ideas converged.

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