1042-01-123   **Paul R. Wolfson*** (`pwolfson@wcupa.edu`), Department of Mathematics, West Chester University, West Chester, PA 19383. *How Boole, Eisenstein, and Cayley Solved the Cubic Equation.* Preliminary report.

In the middle of the nineteenth century, George Boole, Gotthold Eisenstein, and Arthur Cayley all published solutions of the cubic equation. Each used the developing theory of invariants. In this talk I shall try to place these solutions in the context of the techniques and interests of the time. (Received August 14, 2008)