

Download Galois Theory Of Algebraic Equations

Introduction: What is Galois Theory? Much of early algebra centred around the search for explicit formulae for roots of polynomial equations in one or more unknowns. In mathematics, an algebraic equation or polynomial equation is an equation of the form $P = Q$ where P and Q are polynomials with coefficients in some field, often the field of the rational numbers. Algebraic number theory is a branch of number theory that uses the techniques of abstract algebra to study the integers, rational numbers, and their generalizations. The concept of number and algebra was further extended by the Irish mathematician William Hamilton, whose 1843 theory of quaternions (a 4-dimensional number system, where a quantity representing a 3-dimensional rotation can be described by just an angle and a vector)., Galois Theory Of Algebraic Equations.

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