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Rationalizing denominators.

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Summary: We present several techniques for rationalizing the denominators of fractions which involve radical expressions of rational numbers. Our algorithms are based on prime numbers, indeterminate coefficients, symmetric polynomials, and Galois theory.

Classification: F60 H40

Keywords: rationalization of denominators; binomial denominators; polynomial denominators; roots of unity; Galois theory; symmetric polynomials; indeterminate coefficients

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