Exposé court

56   *Polynomials with only rational roots*

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In the talk we present various results concerning polynomials in $\mathbb{Z}[x]$ with only rational roots. First we give sharp upper bounds for the degree assuming that the coefficients are bounded. Then we present a theorem saying that if the primes 2 and 3 do not divide any coefficient then the degree is at most 3. Finally, we give a finiteness result in the case where all coefficients are composed of primes from a fixed finite set.

The results presented are joint with R. Tijdeman and N. Varga.