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**Yen Q Do\*** (yendo@virginia.edu), Charlottesville, VA 22904. *Real roots of random polynomials.*

Finding the real roots for a polynomial is often a challenging task, even numerically, especially when the polynomial has high degree. In this talk I will describe some recent work (by myself and also with coauthors, H. Nguyen, O. Nguyen, V. Vu) about the distribution of the real roots of random polynomials. I will also give a brief survey of the history of the subject. (Received January 20, 2020)