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Djordje Rafailovic: Hermitepolynom

Sammanfattning

The idea behind this paper is that it should serve as an introduction to the theory of Hermite Polynomials. Due to the nature of the text, definitions will play a vital role in the presentation of both the polynomials and their surrounding theory. The last mentioned will be embodied by Hermite's differential equation, Hermite's recurrence relation and orthogonality, and a brief presentation of Hermite's generating function. There will also be a combinatoric interpretation of the polynomials and an example of an interesting application from the field of economics.