1. Record Nr. UNINA9910828759003321 Autore Brenti Francesco <1960-> Titolo Unimodal, log-concave and Polya frequency sequences in combinatorics / / Francesco Brenti Providence, Rhode Island: .: American Mathematical Society, . 1989 Pubbl/distr/stampa ©1989 1-4704-0836-8 **ISBN** Descrizione fisica 1 online resource (118 p.) Collana Memoirs of the American Mathematical Society. , 0065-9266 : : Number 413 Disciplina 511/.6 Soggetti Combinatorial analysis Sequences (Mathematics) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "September 1989, Volume 81, Number 413 (fourth of 6 numbers)." Nota di bibliografia Includes bibliographical references. Nota di contenuto ""Contents""; ""Foreword""; ""Introduction""; ""Chapter 1 The Poset Conjecture""; ""1.1 Introduction""; ""1.2 Statement of the Poset Conjecture""; ""1.3 Partial results on the Poset Conjecture""; ""1.4 A second look at the Poset Conjecture""; ""Chapter 2 A General Theory""; ""2.1 Introduction""; ""2.2 Polynomials with only real zeros and total positivity"": ""2.3 The six fundamental bases and the transition matrices between them""; ""2.4 Linear transformations that preserve the PF property": ""2.5 Linear transformations that preserve the PF[sub(2)] property"" ""2.6 Summary of results and open problems""""Chapter 3 Ramifications of the General Theory""; ""3.1 Introduction""; ""3.2 Further properties of the six fundamental bases""; ""3.3 The special case of polynomials with no constant term"": ""3.4 Eulerian, Lagrange, and Krawtchouk polynomials""; ""3.5 Three general problems""; ""Chapter 4 Polynomials in PF[([sup(x+d-i)][sub(d)])]""; ""4.1 Introduction""; ""4.2 Elementary properties of PF[([sup(x+d-i)][sub(d)])]""; ""4.3 A Fundamental Theorem""; ""4.4 Consequences of the Fundamental Theorem""; ""4.5 The characterization of PF-sequences"" ""4.6 The characterization of PF[([sup(x+d-i)][sub(d)])]""""4.7 Products of polynomials in PF[([sup(x+d-i)][sub(d)])]""; ""Chapter 5 Applications

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