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Gröbner Deformations of Hypergeometric Differential Equations Bearbeitet von Mutsumi Saito, Bernd Sturmfels, Nobuki Takayama 1. Auflage 1999. Buch. VIII, 254 S. Hardcover

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[46] Goto, Y., Matsumoto, K. Pfaffian equations and contiguity relations of the hypergeometric function of type  ${}_2F_1(k+1, k+n+2)$  and their applications. arXiv: 1602.01637, to appear in Funkcialaj, Ekvacioj.

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### **A-Hypergeometric ranks for toric threefolds**

hypergeometric functions, symbolic summation, statistics, non commutative algebra, numerics (e.g. wavelets construction), and systems theory. ... Fact: Gröbner bases have many "nice properties" and hence, for Gröbner bases, many fundamental problems can be solved by "easy" algorithms.

### **Gröbner Bases: A Short Introduction for Systems Theorists**

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