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Zhonggang Zeng (zzeng@neiu.edu), Dept. of Mathematics, Northeastern Illinois University, Chicago, IL 60625, and **Yang Zhang*** (yzhang24@depaul.edu), Dept. of Mathematical Science, DePaul University, Chicago, IL 60614. *Computing the GCD of Ore Polynomials.*

Over the past decade, computing the greatest common divisors of Ore polynomials have been studied extensively in symbolic computation. Only few works use numerical methods. In this talk, we explore a symbolic-numeric way to compute the GCD of Ore polynomials, in particular, differential operators. (Received August 07, 2007)