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# The block Wiedemann algorithm and polynomial equations by **Éric Schost**

*Monday, September 25, 2023 4:30 PM (1 hour)*

Abstract. Coppersmith's generalization of Wiedemann's algorithm is a key ingredient in algorithms for integer factorization or discrete logarithms. I will describe how, in recent years, it has also successfully been applied in contexts arising from algorithms for polynomial equations, such as sparse FGLM algorithms, or modular composition.