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Patrick M Ingram*, 4700 Keele St., Toronto, Ontario M3J 1P3, Canada. *Rates of growth of solutions to difference equations.*

Nevanlinna's Second Main Theorem is both a strengthening of Picard's Little Theorem and (as pointed out by Osgood and Vojta) a complex-analytic analogue of Roth's Theorem on diophantine approximation. Siegel established a strengthening of Roth's Theorem for diophantine approximation on curves, and Silverman produced an analogue of this strengthening in the setting of arithmetic dynamics. This talk presents a (somewhat pro forma) modification of Silverman's argument which yields a strong form of the Second Main Theorem for solutions to difference equations. (Received January 14, 2021)