ON INTEGER-VALUED FUNCTIONS
IN POSITIVE CHARACTERISTIC

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In this talk, we deal with integer-valued entire functions in positive characteristic p. A famous theorem due to G. Pólya says that: any entire integer-valued function at integers of order of exponential type $< \log\left(\frac{3+\sqrt{5}}{5}\right)$ is a polynomial.

In 1997, using classical analogy between $\mathbb{Z}$ and $\mathbb{F}_q[T]$ where q is a power of p, Mireille Car studied the analogous problem for $\mathbb{F}_q[T]$. We give such an analogy with the best possible exponential type. We also discuss what is expected in this subject.