

**REPRESENTATIONS OF RATIONAL CHEREDNIK
ALGEBRAS IN CHARACTERISTIC p**

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Abstract: In this talk I will go over some of my work on the representation theory of rational Cherednik algebras $H_{t,c}(S_n)$ in positive characteristic. In particular I've been studying a category $\mathcal{O}_{t,c}$, its simple objects, and how the behaviour changes as the parameters t and c vary.