

# Category $\mathcal{O}$ for Rational Cherednik Algebras $H_{\{t,c\}}(\mathrm{GL}_2(\mathbb{F}_p), \mathfrak{h})$ in Characteristic $p$

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In this paper we describe the characters of irreducible objects in category  $\mathcal{O}$  for the rational Cherednik algebra associated to  $\mathrm{GL}_2(\mathbb{F}_p)$  over an algebraically closed field of positive characteristic  $p$ , for any value of the parameter  $t$  and generic value of the parameter  $c$ .

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