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and its Applications to Coding Theory

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**Title:** The number of points of a class of Artin-Schreier curves

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**Abstract:** We investigate the number of rational points of a class of Artin-Schreier curves, which are closely related to the arc arising from the curves  $\mathcal{X}_{n,r}$ , introduced by H. Borges and R. Conceição. We also point out the cases where the Artin-Schreier curves are maximal.