

# One dimensional Convolutional Goppa Codes over the projective line

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We give a general method to construct MDS one-dimensional convolutional codes. Our method generalizes previous constructions of H. Gluesing-Luerssen and B. Langfeld. Moreover we give a classification of one-dimensional Convolutional Goppa Codes and propose a characterization of MDS codes of this type.

Subjects: **Information Theory (cs.IT)**; Algebraic Geometry (math.AG)

MSC classes: 94B10

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