# COHERENT SYSTEMS ON INTEGRAL CURVES

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ABSTRACT. We generalize Clifford's Theorem for vector bundles to torsion-free sheaves that are not necessarily semistable on integral curves. This is used to present a bound on the dimension of a coherent system and a generalization of Clifford's Theorem for coherent systems. Joint work with Leonardo Roa-Leguizamón and Renato Vidal Martins.

**Keywords**: algebraic curves, coherent systems, sheaf theory, sheaves, stability, vector bundles.

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