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Clifford's theorem for metrized complexes

Abstract

I will show that metrized complexes, which are a common generalization of metric graphs and algebraic curves, satisfy a version of Cliffords theorem. Namely, if they carry a divisor of degree 2r and rank r, then they are hyperelliptic. I will discuss what it means for graphs and metrized complexes to be hyperelliptic, and describe their divisor classes.