

LIFE WITHOUT AHLFORS-BERS: HYPERBOLIC STRUCTURES IN HIGHER DIMENSIONS

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Abstract. In this talk we will discuss some results about deforming (or not) hyperbolic structures in dimension four and higher. The situation, without the quasiconformal theory pioneered by Ahlfors and Bers, is very different from that in dimension three. In particular, we will explain some rigidity results (joint with Pete Storm) that exemplify these differences. Nonetheless, there will be glimpses of, and applications to, the more familiar three dimensional setting.