MINIMAL HULLS AND MINIMALLY CONVEX DOMAINS

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Minimal hulls and minimally convex domains were introduced in a series of papers by Harvey and Lawson. We present a characterization of the minimal hull of a compact set K in R^n by sequences of conformal minimal discs whose boundaries converge to K in the measure theoretic sense. We also study some properties of minimally convex domains. This is a report on a joint work with Alarcón, Forstnerič and Lopez.