LaTeX's Newtheorem

none

1 Test of standard theorem styles

Lemma 1.1 (negatively curved families) *Let $\{ds_1^2, \ldots, ds_k^2\}$ be a negatively curved family of metrics on $\mathbf{D}_r$, with associated forms ω^1, ..., ω^k. Then $\omega^i \leq \omega_r$ for all i.*

Then our main theorem:

Theorem 1.2 *Let $d_{\max}$ and $d_{\min}$ be the maximum, resp. minimum distance between any two adjacent vertices of a quadrilateral Q. Let σ be the diagonal pigspan of a pig P with four legs. Then P is capable of standing on the corners of Q iff*

$$\sigma \geq \sqrt{d_{\max}^2 + d_{\min}^2}. \tag{1}$$

Corollary 1.3 *Admitting reflection and rotation, a three-legged pig P is capable of standing on the corners of a triangle T iff (1) holds.*