DIFFERENTIAL GEOMETRY HOMEWORK 8

LECTURER: SIU-CHEONG LAU

Compute the Gaussian curvature for the hyperbolic upper half-plane, which is $\{(x,y)\in\mathbb{R}^2:y>0\}$ equipped with the first fundamental form

$$\frac{1}{y^2} \left(\begin{array}{cc} 1 & 0 \\ 0 & 1 \end{array} \right).$$

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