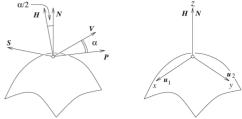
2.2.2

Tuesday, January 2, 2018 6:36 PM

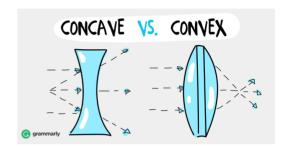
Specularities can give information about color illumination and give hints to the local geometry of a surface.

$$N(x,y) = \frac{1}{\sqrt{1 + \kappa_1^2 x^2 + \kappa_2^2 y^2}} \begin{pmatrix} \kappa_1 x \\ \kappa_2 y \\ 1 \end{pmatrix}$$

There is no much information to gather on the shape of a specularity, but it is tho possible to predict or distinquish a concave from a convex shape.



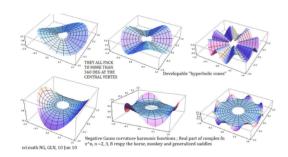
A spectacular surface. Right image shows the coordinate system of the spectacular surface. z-axis is in the brighest spot of the surface and the other axes lie along principal directions u_1 and u_2 .











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