

folds of projection  
from  $S \rightarrow \mathbb{R}^2$  are

Caustics

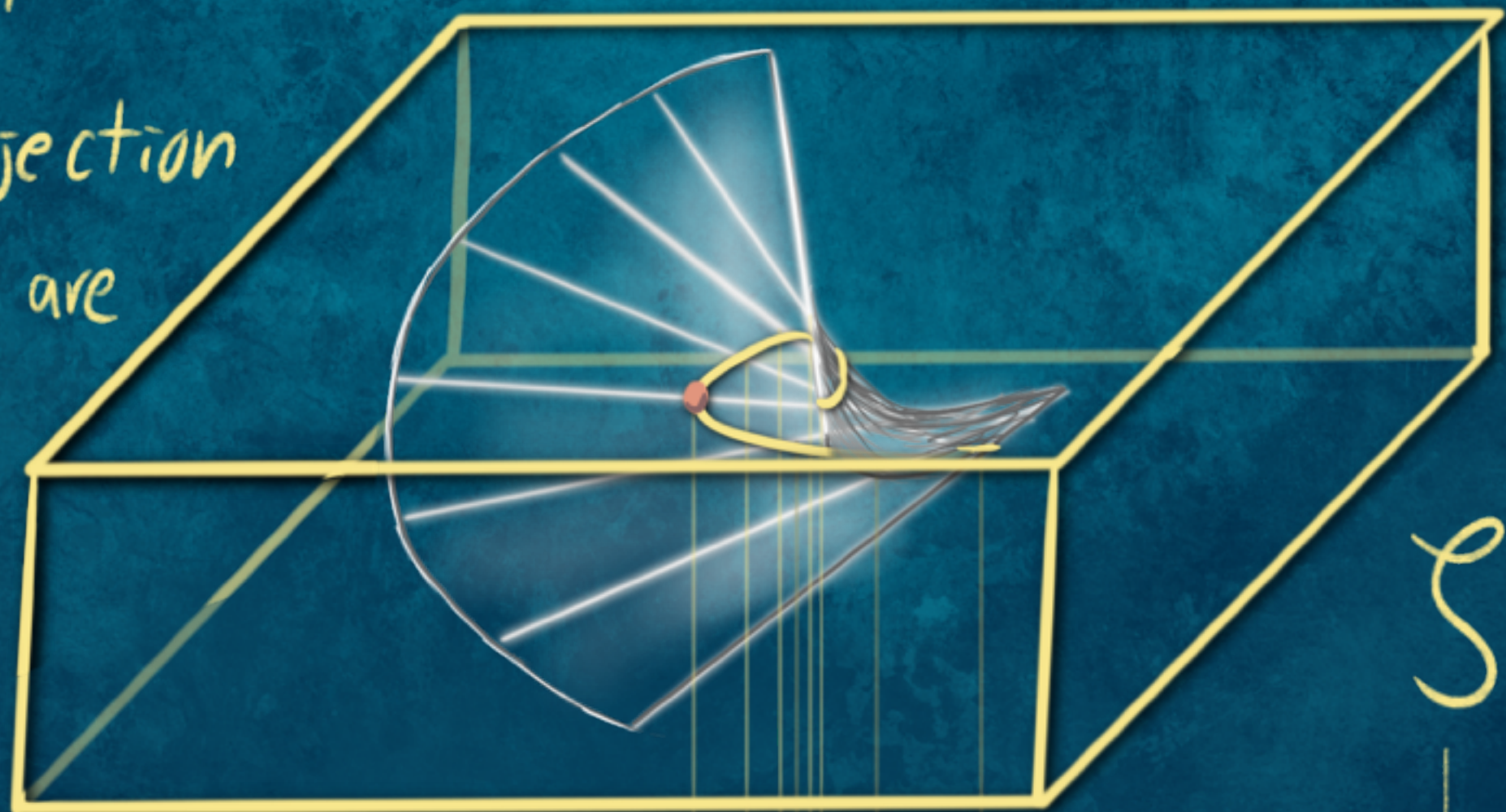


Hidden Geometry  
Governs Caustic



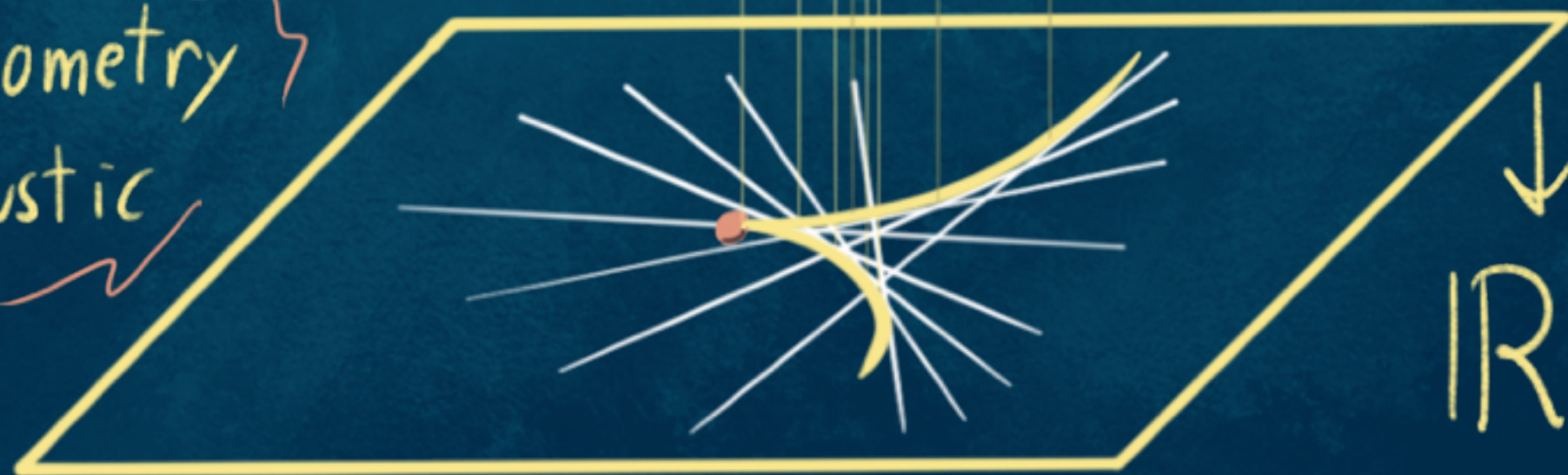
Light rays define Surface in  $\mathcal{S}$

folds of projection  
from  $\mathcal{S} \rightarrow \mathbb{R}^2$  are  
Caustics



$\mathcal{S}$

Hidden Geometry  
Governs Caustic



$\mathbb{R}^2$



Cusp from shadow

