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Iceberg-type problems in two dimensions
We consider the complex plane $\mathbb{C}$ as a space filled with two different media, separated by the real axis $\mathbb{R}$. Let $H$ denote the upper half-plane. For a planar body $E$, the iceberg-type problem is to estimate characteristics of the invisible part $E \backslash H$ from the characteristics of the whole body $E$ and its visible part $E \cap H$.
In this talk, we outline the methods we use to determine the maximal draft of $E$ as an explicit function of the logarthmic capacity of $E$ and the area of $E \cap H$.

