



Figure 1: A rotating cube

Look in the console to see rust
in action (ignore all the
errors)!

There is also draggable
handles:

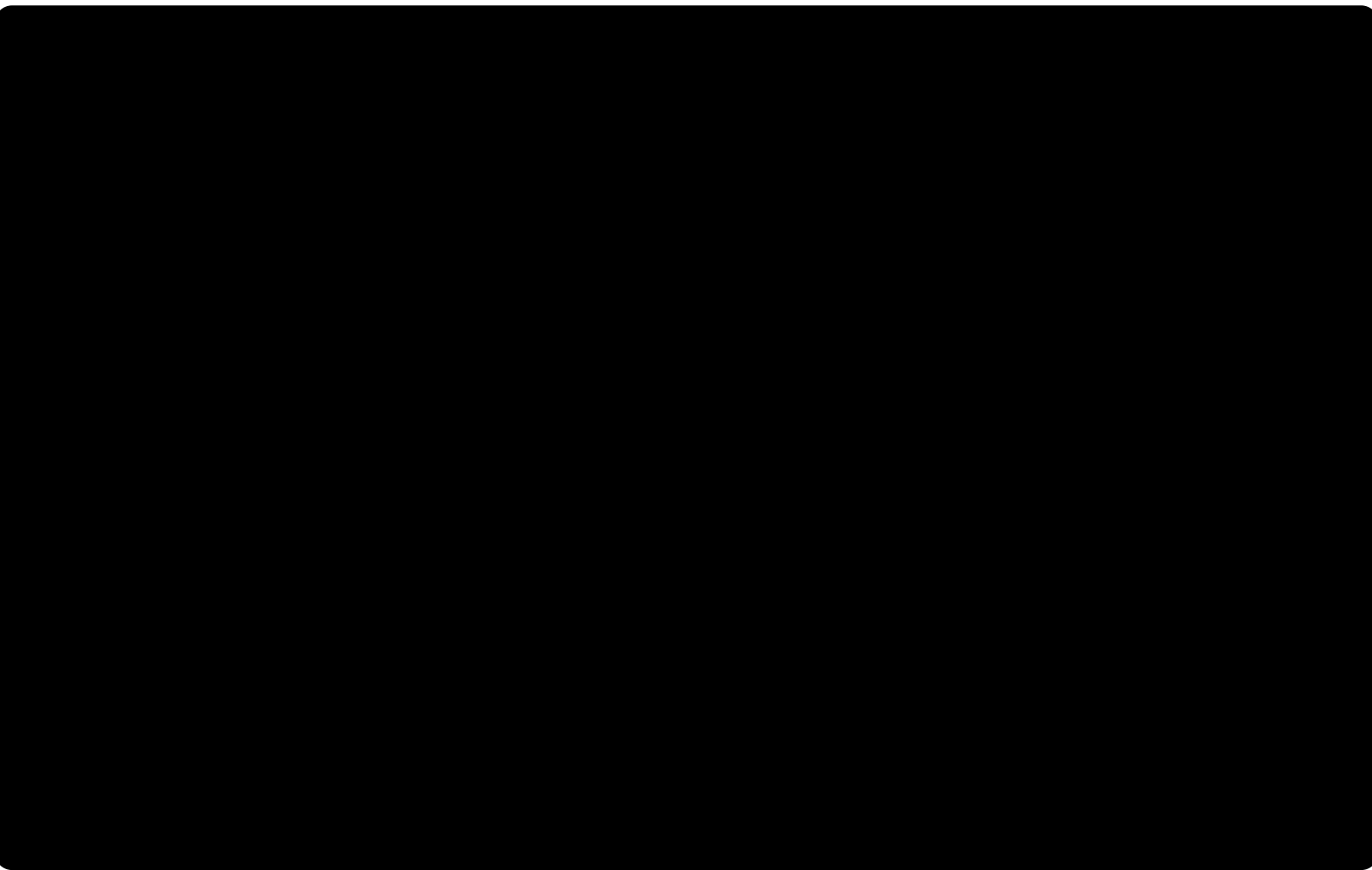


Figure 2: Nearest neighbor interpolation

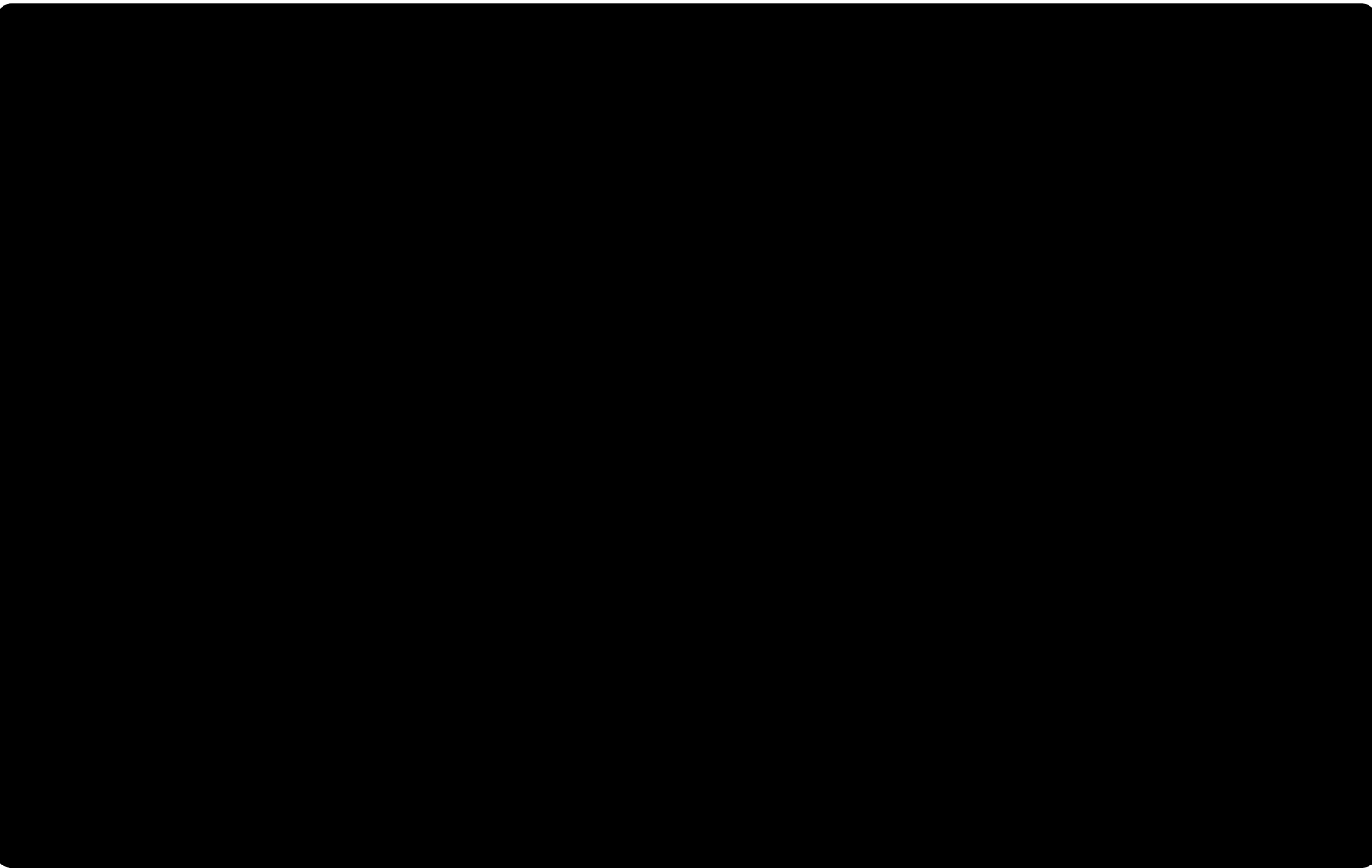


Figure 3: Inverse distance interpolation

Proofs

Existence et unicité dans
l'espace $C^1(\mathbb{R}^d)$

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We will name P_k the
associated plane in E

Proposition. (Barycentric
coordinates expression)

Let H be the orthogonal
projection of M on \mathcal{B}_k and K
the orthogonal projection of
 A_k on \mathcal{B}_k .

$$\lambda_k(M) = \frac{\|M-H\|}{\|A_k-K\|}$$

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$$\lambda_k(M) = \frac{\|\overrightarrow{HM}\|}{\|\overrightarrow{KA_k}\|}$$

Proof — Click to expand

Proof with vectors —
Click to expand