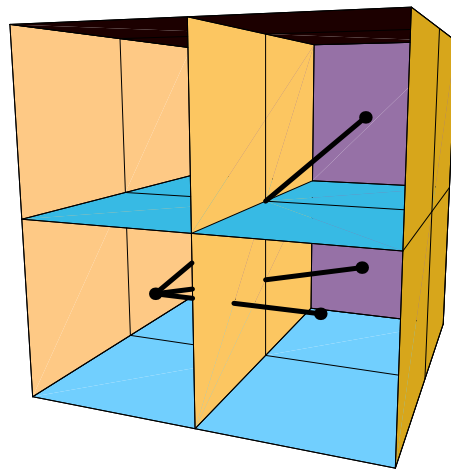


Kiryati & Kübler, 1992:

Unbiased, minimum MSE length estimation for 3-D curves

$$\hat{L} = 0.9016 \cdot \# \text{direct links} + 1.289 \cdot \# \text{minor diagonals} + 1.615 \cdot \# \text{major diagonals}$$

- RMS error for straight lines: 2.88%
- Straight lines are the worst case (much better with curves).



Use the weights (0.9016, 1.289, 1.615) in the Kiryati-Székel algorithm for finding shortest paths and minimal distances on digitized surfaces.