Symmetry Measure: Shape of Support

Local mirror symmetry measurement:

Must specify

- Location
- Orientation
- Shape of local support

\textit{How many degrees of freedom should the shape of the support have?}

Trade-off!

Shape detail $\leftrightarrow$ Dimension of search space

Circular supports $\Rightarrow$ 4-D search space

maximize $S(x, y, \theta, R)$

- $(x, y)$ - Location of center
- $\theta$ - Orientation of the symmetry axis
- $R$ - Radius of the support