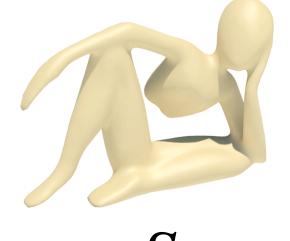


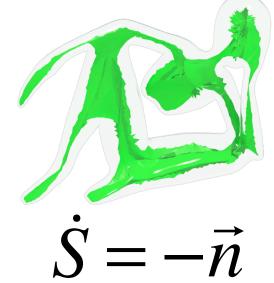


I) SKELETONIZATION

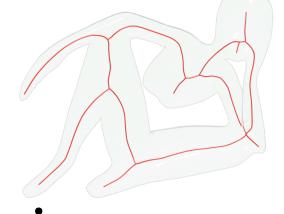
Skeletons as singularities of surface flows:



Solid Object



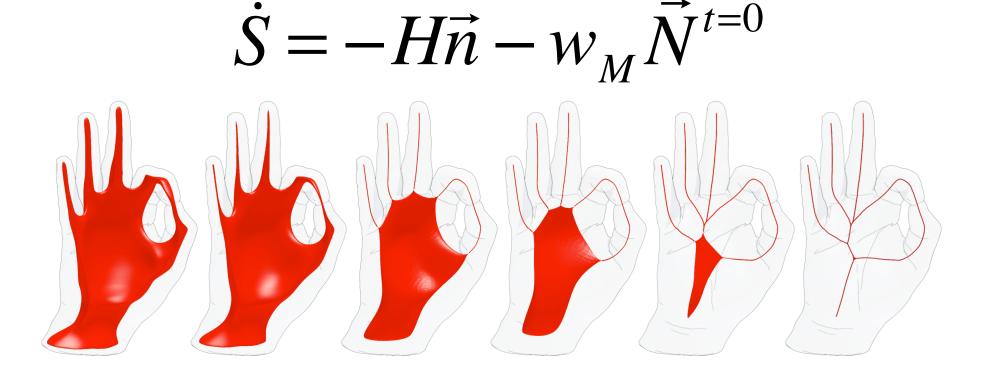
Medial Skeleton



 $S = -H\vec{n}$ Curve Skeleton

2) CONTRIBUTIONS

- Anisotropy analysis of MCF
- Operation
 Operation
- Medial skeletonization flow

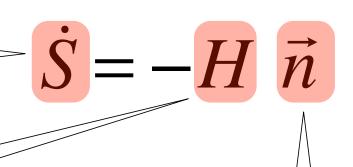


3) MEAN CURVATURE FLOW

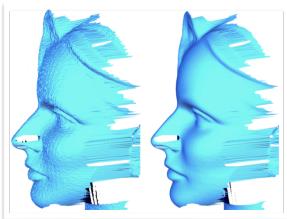
MCF is associated with a diffusion process commonly used for surface fairing:

Each point on the surface moves..

... with a velocity equal to its local mean curvature:



...in a direction normal to the surface.



Desbrun et al. SIGGRAPH'08]

Mean Curvature Skeletons



