

The Big Proture The model of Cure Detection (2 Hopes). Stage 1: Trave inference + orientation selection] step 1.1 Tutial local measurement (at suple cell receptive field) · each endstopped neuron -> orientation Ly unroathre. · 2 operators: (1) normal operator: (ategorization. (selects the proper contrast cross section to define a tre/ we contrast the / edge) , 2) tapent operator: continuity (ensures local C' continuity of the curve). · Step 1.1: 豆 local linear approximation of the curve in the direction of the normal & the direction of the tangent. Step 1.2. Establish consistency between the local measurements. · ghen: 1) co-circularity constraints. $(\lambda \text{ and } \lambda \text{ are so circular}, \lambda \times \lambda')$ $(\Rightarrow \exists \text{ a cycle to which the both } \lambda \text{ and } \lambda' \text{ are targent})$ (2) a curve as a stimulus.

· to find: connections between endstopped neurons
in nearby eventation hyperrolums.
i.e. where are the long-range horizontal connections?

Stage 2: Curve Synthesis.

Motivation: recovering the global curve by computing a covering of the Step 2.1: Construct the potential distribution from the discrete tangent field

seep 2.2 = Sphie dynamics

the gune as the association field?

Higher level of abstraction:

Discrete: orientations (from end stopped cells).

Continuous: - a measure of authory of associated with the discrete object (response to stimuli) at each endstopped cell)

- a measure of out consistency across discrete objects

analogous to the TSP problem

The model: Polymatrix give with in players.

(The columnar machine)

Nash equilibrium always exists.