Smoothing Boundaries

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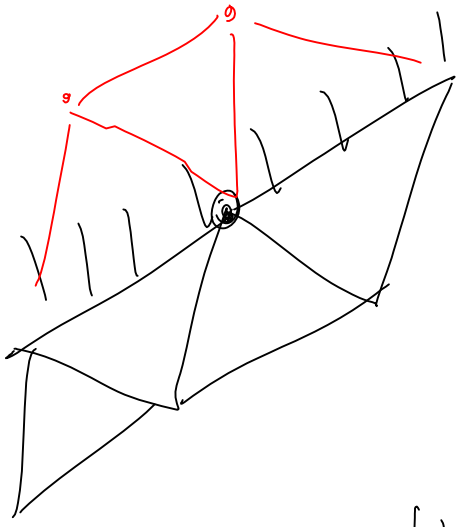

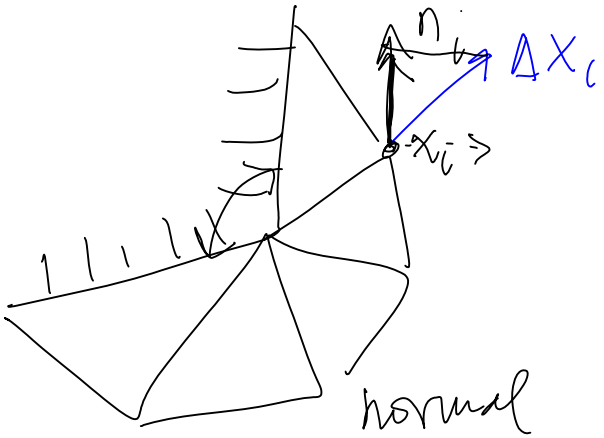

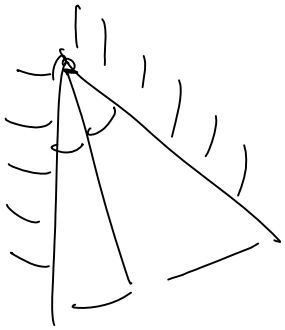

normal

$$\Delta x_i = n_i (n_i^t \Delta x_i) +$$

$$(I - n_i n_i^t) \Delta x_i$$

tangent

$n_i n_i^t$

K Matrix has complex eigenvalues

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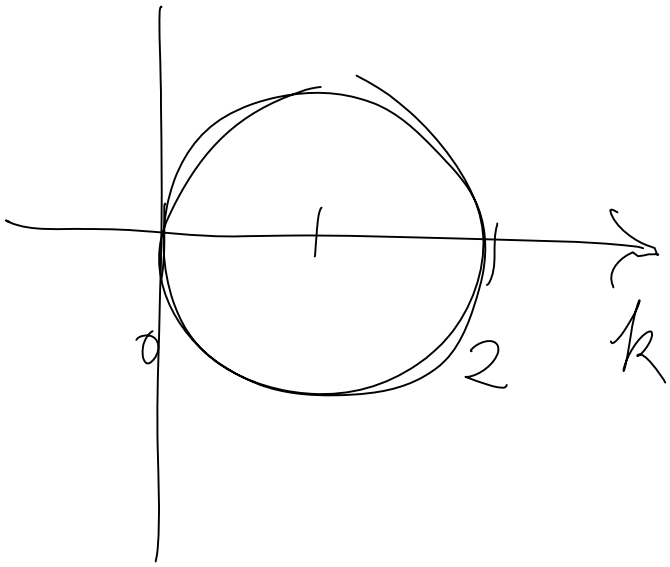

$$f(k)^n = (1 - \lambda k)^n \longrightarrow \delta(k)$$

Hard vs Soft constraints

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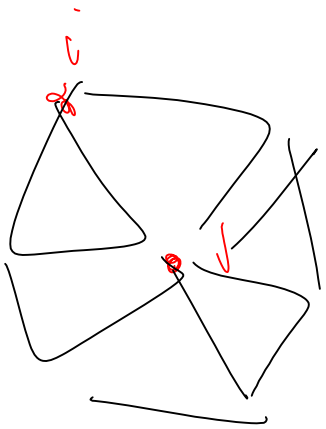

$$x_i = x_i^0$$

$$x_j = x_j^0$$

$$E(x) + C(x)$$

$$\|x_i - x_i^0\|^2 + \|x_j - x_j^0\|^2$$

Energy Function

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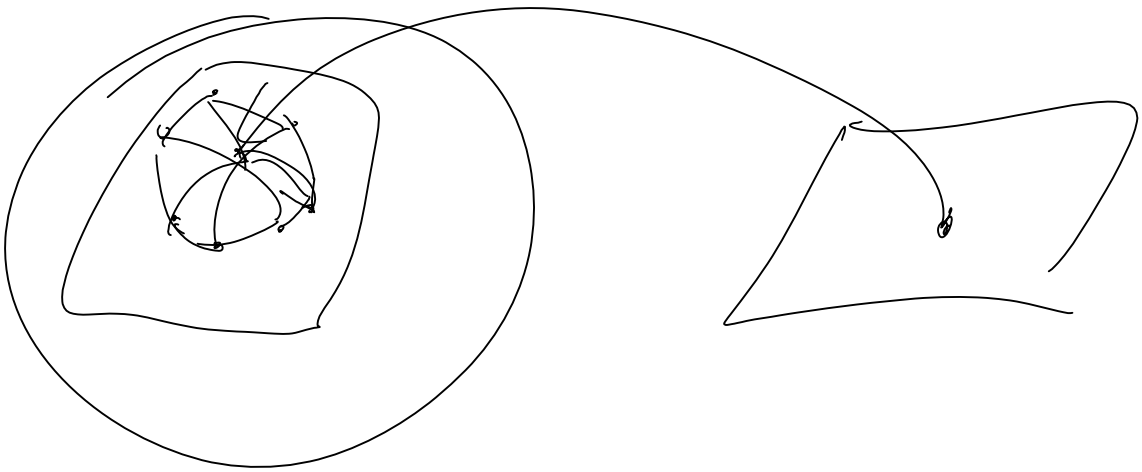
$$E(x) = \sum_{e} \|x_i - x_j\|^2$$