Ex:
$$r(x) = (x+1)/\sqrt{1-x^2}$$

Cosine vision: find $P_0(x)$, $P_1(x)$, $P_2(x)$, ...

where

 $P_1(x) = \sum_{k=0}^{\infty} a_{jk} \cos(kx) = P_0(x) \text{ of degree } j \text{ evoluted}$
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 $P_1(x) = \sum_{k=0}^{\infty} a_{jk} \cos(kx) + \frac{1}{2}$
 $P_1(x) = \sum_$

$$Cos(a\theta)cos(b\theta) = \frac{1}{2}cos(acb)\theta) + \frac{1}{2}cos(acb)\theta$$

$$P_{m}(\theta) = \sum_{j=0}^{m} a_{mj}cos(j\theta)$$

$$Cos\theta P_{m}(\theta) = \sum_{j=0}^{m} a_{mj}cos(j\theta)cos\theta$$

$$= \frac{1}{2}\sum_{j=0}^{m} a_{mj}cos((j+1)\theta) + a_{mj}cos((j-1)\theta)$$

$$= \sum_{j=0}^{m} (a_{mj}i+a_{mj}i+b)cos(j\theta)$$

$$= \sum_{j=0}^{m} (a_{mj}i+a_{mj}i+b)cos(j\theta)$$

$$(cos\theta+i)P_{m}(\theta) = \sum_{j=0}^{m} (a_{mj}i+a_{mj}i+b)cos(j\theta)$$

$$= \sum_{k=0}^{m} a_{mk}cos(k\theta) / \sum_{j=0}^{m} (a_{mj}i+a_{mj}i+b)cos(j\theta)$$

$$= \sum_{k=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+b) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} (a_{mj}i+a_{mj}i+b) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+b) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+b) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+b) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+a_{mj}i+a_{mk}i) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+a_{mk}i+a_{mk}i) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+a_{mk}i) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+a_{mk}i) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mj}i+a_{mk}i) / \sum_{j=0}^{m} cos(k\theta) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mk}i+a_{mk}i) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mk}i+a_{mk}i) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mk}i+a_{mk}i+a_{mk}i) / \sum_{j=0}^{m} a_{mk}(a_{mj}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}i+a_{mk}$$

$$\begin{array}{c} P_0 \longleftrightarrow \begin{bmatrix} 1 \end{bmatrix} \\ P_1 \longleftrightarrow \begin{bmatrix} a_{10} \\ 1 \end{bmatrix} \end{array}$$

$$[a_{10}] \begin{bmatrix} 1 \\ 1 \end{bmatrix} [1] = 0$$

$$a_{10} = -\frac{1}{2}$$

$$\begin{bmatrix} a_{20}a_{21} & 1 \\ 0 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix} = 0$$

$$\begin{bmatrix} a_{20}a_{21} & 1 \\ 1 \\ 1 \end{bmatrix} \begin{bmatrix} a_{10} \\ 1 \\ 1 \end{bmatrix} \begin{bmatrix} a_{10} \\ 1 \\ 1 \end{bmatrix}$$

$$\frac{1}{4} - \frac{1}{2}q_{20} = 0$$

$$\frac{1}{4} - \frac{1}{2}q_{20} = \frac{1}{3}$$

\$ Pmn



