

Don't put life res

$$\chi^2(O) = \sum_{\text{pairs}} \left((P_i - P_j)^T \cdot O - \frac{1}{2} (P_i^T P_i - P_j^T P_j) \right)^2$$

$$\chi^2(r, O) = \sum_{k=1}^n (r^2 - P_k^T P_k)$$

$$P_k = r_k + O$$

fsck_hfs

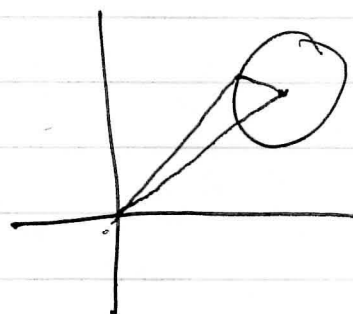
Junger dkk

svn repository

L c++

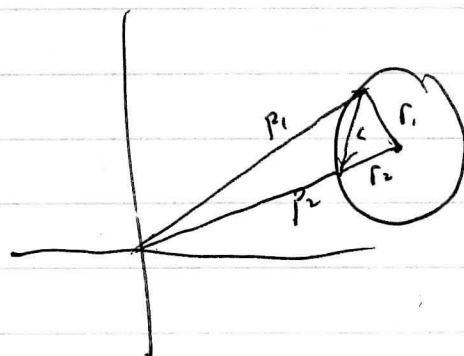
L fortran

f ~~papers~~ papers



sed

$$(p_i - p_j)^T O = \frac{1}{2} (\|p_i\|^2 + \|p_j\|^2)$$



$$p_1 + c = p_2$$

$$\cancel{p_1} + c =$$

$$r_1 + c = r_2$$

$$p_1 - r_1 = p_2 - r_2$$

$$p_1 - p_2 = r_1 - r_2$$

23, 24
x 8 9

$$p^2 - (p \cdot o)^2 = r^2 - (r \cdot o)^2$$

$$p_1^2 - p_2^2 - (p_1 \cdot o)^2 + (p_2 \cdot o)^2 = r_1^2 - r_2^2 - (r_1 \cdot o)^2 + (r_2 \cdot o)^2$$

$$p_1 + c = p_2$$

$$r_1 + c = r_2$$

$$c = p_2 - p_1$$

$$c = r_2 - r_1$$

Help Desk Ticket

RDF Help Desk

DD2075 ERDC.drm.mil

$$\therefore p_2 - p_1 = r_2 - r_1$$

input p
output o

$$p_1 = o + r_1$$

$$p_2 = o + r_2$$

$$p_1 + p_2 = 2o + r_1 + r_2$$

$$\star \quad 2(p_1 - p_2) \cdot o = p_1^2 - p_2^2$$

$$= c^2$$

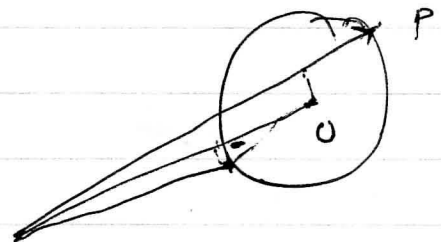
$$p_1 - p_2 = c$$



$$(p_1 - p_2) \cdot (p_1 - p_2)$$

$$= \|p_1\|^2 + \|p_2\|^2 - 2\|p_1 \cdot p_2\|^2$$

$$(p_1 - p_2) \cdot o = p_1 \cdot o - p_2 \cdot o$$



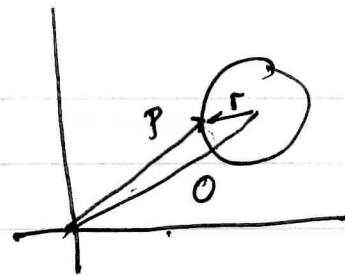
Make r disappear

$$r = p - o$$

$$p_1 - p_2 = c = r_1 - r_2$$

$$p = o + r$$

Input: p_1, p_2, \dots
 Output: $o, \|r\|$



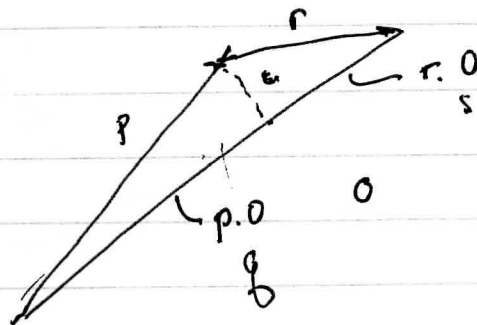
$$\left. \begin{aligned} p_1 &= o + r_1 \\ p_2 &= o + r_2 \end{aligned} \right\} \Delta_{12} \quad p_1 - p_2 = r_1 - r_2$$

$$(5) \quad \chi^2(o) = \sum_{\text{pairs}} \left((p_i - p_j) \cdot o - \frac{1}{2}(p_i^2 - p_j^2) \right)^2$$

$$\downarrow (p_i - p_j) \cdot o = \frac{1}{2}(p_i^2 - p_j^2)$$

$$\begin{pmatrix} o_{x_1} \\ o_{y_1} \end{pmatrix} + \begin{pmatrix} r_{x_1} \\ r_{y_1} \end{pmatrix} = \begin{pmatrix} p_{x_1} \\ p_{y_1} \end{pmatrix}$$

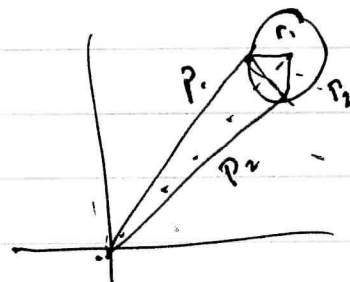
$$\vdots \quad \vdots \quad \vdots$$



$$p^2 = g^2 + c^2$$

$$r^2 = s^2 + c^2$$

$$p^2 - r^2 = g^2 - s^2$$



$$p^2 - g^2 = r^2 - s^2$$