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tm_{xy}^i q_0 x, y, w'
 T_{xy} t_1, t_2

$$T_{xy} = \sum assoc(tm_{xy}^i)$$

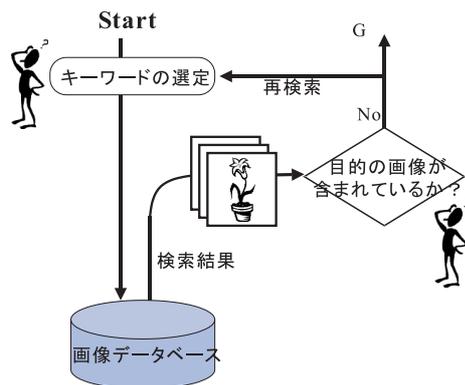
$$assoc(tm_{xy}^i) = \begin{cases} a & tm_{xy}^i = 0 \\ 1 & 0 < tm_{xy}^i \leq t_1 \\ \frac{t_2 - tm_{xy}^i}{t_2 - t_1} & t_1 < tm_{xy}^i \leq t_2 \\ 0 & t_2 < tm_{xy}^i \end{cases}$$

Google[1] ph

Google[1] ph
q₀

3

3.1



iFind[2] puz
ance feedback t

[3] puz

$i w_j$ x, y

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$$R_{qr} = \begin{cases} 1 & (0 < t_{qr}^i \leq t_1) \\ t_2 - t_{qr}^i & (t_1 < t_{qr}^i \leq t_2) \\ 0 & (t_2 < t_{qr}^i) \end{cases}$$

4 4.1

Image Google 3,000
 Image Google
 Google
 $w_{pk} = f(w_{pk}, \max(R_{qr}/n_r | r \in Q_k))$
 $f(x, y) = \begin{cases} x(1 - c_1 y) & w_1 < x \\ 0 & 0 < x \leq w_1 \\ x - c_2 y & x \leq 0 \end{cases}$

$w_{pk+} = w_{pk} + \max(c_3 R_{qr}/n_r | r \in Q_k)$
 $Q_k \times k$
 c_1, c_2, c_3, w_1
 0.05, 0.02, 1, 0.1

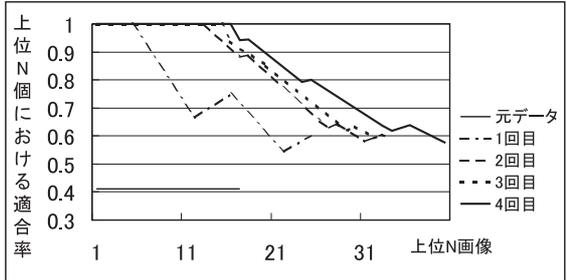


S 2: 2
 h
 2
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 0

$w_{pk} + (h)$
 [4]

4.2

"be" "z" "a" "e" "g"
 17 xT 40 xT



S 3: o "be" "z" "a" "e" "g" N x

5

WWW
 Mhg4owMw
 G
 vol.3, pp.113-114, Oct. 2000

[1] "Image Google", <http://images.google.com/>
 [2] X. Q. Zhu, L. Wenyin, H. J. Zhang, and L. D. Wu, "Image retrieval and semi-automatic annotation scheme for large image databases on the web", Proc. SPIE, vol.4311, pp.168-177, Jan. 2001
 [3] Z. Mhg4owMw, "WWW", rH 61 s G, vol.3, pp.113-114, Oct. 2000
 [4] J. Huang, S. R. Kumar, M. Mitra, W. J. Zhu, R. Zabih, "Image indexing using color correlograms", Proc. IEEE Conf. on CVPR '97, pp.762-768, Jun. 1997