Corrections to "Queueing Analysis of a Sequential Recognizer of Patterns", *Top* (1998) 6, 45-66

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As pointed out by the author, the paper contains some printed errors. The announced results are not affected, but the lecture is perhaps more difficult.

page 48 line 11: modify the third term of the right hand side of (2.3)

in place of $+p'_{00}(0)H(x)$ read $\lambda p_{00}H(x)$

page 50 line 11: in the left hand side of (2.12), in place of $s(s - \lambda + \lambda z)f(z, s)$
 read $s(s - \lambda + \lambda z)g(z, s)$

page 51 line 17: formula (2.21) should be replaced by

$$p_{00} = (1 - \rho) \frac{1 - \alpha h(\lambda) - \alpha_1[1 - h(\lambda)]}{1 - \alpha h(\lambda)}$$

and formula (2.22) should be replaced by

$$P(1, \infty) = (1 - \rho) \frac{\alpha_1[1 - h(\lambda)]}{1 - \alpha h(\lambda)}$$

page 52 line 3: formula (2.24) should be replaced by

$$R(z, \infty) = (1 - \rho) \frac{1 - h(\lambda - \lambda z)}{h(\lambda - \lambda z) - z}$$

page 54 line 23: in place of $[H(\lambda)]^{\mu-1}$ read $[H(\lambda)]^{m-1}$

line 24: in place of $\bar{L} = \tau_1 + \tau_2 + \dots + \tau_{m-1} + \tau'_{m'}$ read $L = \tau_1 + \tau_2 + \dots + \tau_{m-1} + \tau'_{m'} + L'$

line 26: in place of "and L is" read "and L' is"

page 56 line 22: in place of $F(t) = P(\eta < t/\eta > 0) = P(\xi < t/\xi < \tau)$ read
 $F(t) = P(\eta < t/\eta > 0) = P(\hat{\xi} < t/\hat{\xi} < \tau)$

line 23: in place of ξ read $\hat{\xi}$

page 58 line 8: in place of $(n \geq)$ read $(n \geq 0)$

line 13: in place of $[\int_0^\infty e^{-\lambda t} dH(t)]^{n+}$ read

$$[\int_0^\infty e^{-\lambda t} dH(t)]^{n+1}$$

line 19: in place of $= p_{00} + P(1, \infty) + h(\lambda)R[H(\lambda), \infty]$ read $= p_{00} + P(1, \infty) + h(\lambda)R[h(\lambda), \infty]$

page 59 line 8: in place of $P(D_m) = P(D_m/E)P(E) + P(D_m/\bar{E})P(\bar{E})$ read

$$P(D_m) = P(D_m/E)P(E) + P(D_m/\bar{E})P(\bar{E})$$

page 62 line 6: in place of $A_i(x) = \exp(-\lambda_i)$ read $A_i(x) = Ex(-\lambda_i)(x)$

page 63 line 4: in place of

$$W(s) = \frac{1 - \rho}{1 - \rho h^*(s)} (1 - \rho) \sum_{k=0}^{\infty} \rho^k [h^*(s)]^k$$

read

$$W(s) = \frac{1 - \rho}{1 - \rho h^*(s)} (1 - \rho) \sum_{k=0}^{\infty} \rho^k [h^*(s)]^k$$

line 7: in place of $H^*(x) = (1/\rho)[1 - H(x)]dx$ read

$$H^*(x) = (1/\bar{\rho}) \int_0^\infty [1 - H(y)] dy$$

page 64 line 4: in place of $(\bar{w} - \bar{w}_n) \leq \bar{\tau} \leq \rho(1 - \rho)$, read

$$(\bar{w} - \bar{w}_n)/\bar{\tau} \leq \rho(1 - \rho),$$

line 16: in place of "written= $\xi_{t'} = \xi - t' < \tau_m$ ", read

"written $\eta = \xi_{t'} = \xi - t' < \tau_m$,"

line 28: in place of $[1 - A(x)]dt \leq (\geq) E(\xi[1 - A(t)])dt$ read

$$\int_0^\infty [1 - A(x)]dt \leq (\geq) E(\xi)$$