ERRATA

'*Average functionalities of macromolecules in stepwise polyfunctional polymerization*', *Polymer* 1982, **23**, pages 69–72

D. Durand and C.-M. Bruneau

Page 71 column 1, 2nd equation from top should read:

$$\xi = p_A \bar{\varphi}_{wAo} + \frac{r_0 p_A{}^2 (\bar{f}_{wAo} - 1)(\bar{f}_{wBo} - 1)}{1 - p_A \bar{\varphi}_{wAo}}$$

and in same column

$$\eta_{AB} = \eta_{AA} p_A \frac{\sum_{i=1}^{n} \rho_{Bi}(f_{Bi} - 1)}{1 - p_A \sum_{i=1}^{n} \rho_{Bi} f_{Ai}} = \eta p_A \frac{(\bar{f}_{wBo} - 1)}{1 - p_A \bar{\varphi}_{wAo}}$$

and in the same column line 5 from bottom should read:

The weight average functionalities $\bar{f}_{wA}$ and $\bar{\varphi}_{wB}$ being the expected functionalities relative to A-sites respectively of the molecule of which any unreacted A-site, selected at random, is a part, may be written:

$$\bar{f}_{wA} = \sum_{i=1}^{n} \gamma_{Ai} \psi_{A,Ai} \qquad \bar{\varphi}_{wB} = \sum_{i=1}^{n} \gamma_{Ai} \psi_{B,Ai}$$

γ_{Ai} being the probability to pick at random an unreacted A_i-site among the unreacted A-sites:

$$\forall i,\ \gamma_{Ai} = \frac{\rho_{Ai}(1 - p_A)}{(1 - p_A)} \qquad \gamma_{Ai} = \rho_{Ai},\ \forall p_A \neq 1$$

$$\gamma_{Ai} = 0, \text{ at } p_A = 1$$

$$\bar{f}_{wA} = 1 + \eta(\bar{f}_{wAo} - 1)(1 - p_A)\left[\frac{1 + p_A \bar{\varphi}_{wAo}}{1 - p_A \bar{\varphi}_{wAo}}\right] \tag{5}$$

$$\bar{\varphi}_{wB} = \eta(1 - r_o p_A)\left(\frac{p_A(\bar{f}_{wAo} - 1)(\bar{f}_{wBo} - 1)}{1 - p_A \bar{\varphi}_{wAo}} + \frac{\bar{\varphi}_{wAo}}{r_o}\right)$$

On another way:

$$\bar{\varphi}_{wB} = \frac{1 - r_o p_A}{r_o p_A} \quad \frac{\xi}{1 - \xi} \tag{6}$$

In the same way, the expected functionalities in B-sites and A-sites of the molecules of which an unreacted B_i-site, selected at random, is a part, are:

$$\psi_{A,Bi} = f_{Ai} s_{AA} + (f_{Bi} - 1) s_{BA}$$

$$\psi_{B,Bi} = 1 + f_{Ai} s_{AB} + (f_{Bi} - 1) s_{BB}$$

These expressions lead to the weight average functionalities $\bar{f}_{wB}$ and $\bar{\varphi}_{wA}$:

$$\bar{f}_{wB} = \sum_{i=1}^{n} \gamma_{Bi} \psi_{B,Bi} \qquad \bar{\varphi}_{wA} = \sum_{i=1}^{n} \gamma_{Bi} \psi_{A,Bi}$$

γ_{Bi} being the probability of picking at random an unreacted B_i-site among the unreacted B-sites:

$$\forall i,\ \gamma_{Bi} = \frac{\rho_{Bi}(1 - p_B)}{(1 - p_B)} \qquad \gamma_{Bi} = \rho_{Bi},\ \forall p_B = 1$$

$$\gamma_{Bi} = 0, \text{ at } p_B = 1$$

$$\bar{f}_{wB} = 1 + \eta(\bar{f}_{wBo} - 1)(1 - r_o p_A)\left[\frac{1 + p_A \bar{\varphi}_{wAo}}{1 - p_A \bar{\varphi}_{wAo}}\right] \tag{7}$$

$$\bar{\varphi}_{wA} = \eta(1 - p_A)\left[\frac{r_o p_A(\bar{f}_{wAo} - 1)(\bar{f}_{wBo} - 1)}{1 - p_A \bar{\varphi}_{wAo}} + \bar{\varphi}_{wAo}\right]$$

$$\bar{\varphi}_{wA} = \frac{1 - p_A}{p_A} \quad \frac{\xi}{1 - \xi} \tag{8}$$

We apologise for these errata.

'*Photodegradation of poly(2,6-dimethyl-1,4-phenylene oxide) film with metal isopropyl xanthates*', *Polymer* 1981, **22**, pages 523–525

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Page 525, column 1, equation (6), should read:

$$\text{PDMPO} = k_1 = 9.78 \times 10^{-2} \exp(-3988/RT) \tag{6}$$