Errata

A Digital Model of the Buchla Lowpass-Gate

Stefano D'Angelo

- On page DAFX-4, equation (20) should read

$$y_x = \frac{2F_s \left(2F_s b_4 d_1 + b_3\right) s_o + \left(2F_s - a_2\right)\left(b_1 y_i + b_4 s_d + 2F_s s_x\right)}{a_2 b_2 - a_1 b_3 - 2F_s \left(a_2 + b_2 + b_4 \left(a_1 d_1 - a_2 d_2\right)\right) - 4F_s{}^2 \left(b_4 d_2 - 1\right)}.$$

- On page DAFX-4, equation (21) should read

$$y_o = \frac{s_o + a_1/(2F_s) y_x}{1 - a_2/(2F_s)}.$$

- On page DAFX-6, Table 2, R_6 should be substituted with $\max(R_6)$.

- On page DAFX-6, the sentence

  > The input filter both decreases high frequencies in the input signal and adds an amount of offset to it, controlled by the variable resistor modeled by R_1 and R_2.

  should read

  > The input filter both decreases low frequencies in the input signal and adds an amount of offset to it, controlled by the variable resistor modeled by R_1 and R_2.

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