



## ERRATUM

V. I. BABITSKY *Journal of Sound and Vibration* 1998 **214**, 165–182. Hand-held percussion machine as discrete non-linear converter.

Due to printing mistakes, the following replacement has to be made in the text with an apology from the author:

$$\frac{t_2}{T} = \frac{R + 2t_1/T}{1 + R} = \frac{2[1 - \sqrt{1 - 0.5(1 - R^2)}]}{(1 + R)^2} + \frac{R}{1 + R}. \quad (23)$$

Integration of the second equation (10) gives

$$x_1(t) = \dot{x}_{1+t} + \int_0^t (t - \tau)u(\tau)d\tau = -R\dot{x}_{1-t} + U_0t_1^2 - 2U_0t_1t + U_0t^2/2.$$

Then, with expression (17) taken into account,

$$x_{1\max} = x_1(t_2) = \frac{U_0T^2}{(1 + R)^2} \left[ \left(\frac{t_1}{T}\right)^2 (1 + R)^2 - \frac{1}{2} \left(R + 2\frac{t_1}{T}\right)^2 \right]. \quad (24)$$

In the expression (9)  $\dot{x}_{1-}$  and  $\dot{x}_{1+}$  have to be interchanged.