

Erratum

DOI: 10.1007/s11249-004-2755-6

Pumping effect of sliders in hard disk systems **B. Zhang and A. Nakajima**

An error occurred on pages 288 and 290 in the March 2005 issue of *Tribology Letters* Vol. 18, No. 3, pp. 287–293.

On p. 288, the adsorbed film thickness equation (1) in the paper should be in the following formation:

$$\frac{\partial}{\partial x} \left(\frac{h^3}{3\eta_f} \frac{\partial p}{\partial x} \right) + \frac{\partial}{\partial y} \left(\frac{h^3}{3\eta_f} \frac{\partial p}{\partial y} \right) = \frac{\partial}{\partial x} \left(\frac{\tau_{xz}^h}{2\eta_f} h^2 \right) + \frac{\partial}{\partial y} \left(\frac{\tau_{yz}^h}{2\eta_f} h^2 \right) + \frac{\partial h}{\partial t} - q \quad (1)$$

where τ_{xz}^h and τ_{yz}^h are the shear stress on the outer surface of the adsorbed film.

On p. 290, consequently equation (12) in the paper should be:

$$\frac{\partial}{\partial x} \left(\frac{h^3}{3\eta_f} \frac{\partial p}{\partial x} \right) + \frac{\partial}{\partial y} \left(\frac{h^3}{3\eta_f} \frac{\partial p}{\partial y} \right) = \frac{\eta_g U}{2\delta\eta_f} \frac{\partial h^2}{\partial x} + \frac{\partial h}{\partial t} - \alpha n \sigma (h_s - h) \quad (12)$$

The correction does not affect the results given in the paper.