

Errata list for

*Mathematical Theory of Spin, Friction, and Collision in the Game of Billiards*

as of 10 March 2007

**Back cover** Coriolis was Cauchy's assistant at the École Polytechnique, not at the École Normale Supérieure.

**P.24 -25** Mr R. Raiford notes that the exposition here is confusing and that it seems odd that in Fig. 24, the point L where the cueball enters its final rolling state after collision with a rail seems to lie on the line AB' denoting its friction-with-the-rail-adjusted initial velocity after collision. Also, I missed a couple of labels on Figure 24. Thanks again to Mr R. Raiford for spotting this.

**P.25, 2nd line:** "...struck the ball struck the ball..." should read simply "struck the ball"

**P.43, lines 10-11.** "final translational velocity BE" should be "final translation velocity AE." This error also appears in the original. Thanks to Mr. R. Raiford for this.

**P. 124, inequality immediately below superscript 18 signaling a footnote:** The correct inequality is

$$\frac{1 - \tan \mu \left( f' \left( \frac{h}{\eta} \sin \gamma + \cos \gamma \right) + \epsilon \frac{\zeta}{\eta} \right)}{1 + \frac{\zeta}{\eta} \tan \mu} > \frac{W'}{W}$$

**P.126, footnote 18** This footnote is completely wrong. It should be replaced with the following:

This inequality appears on page 169 of the original, where the numerator mistakenly has  $\tan$  instead of  $\tan \mu$  and  $\epsilon \zeta$  instead of  $\epsilon \frac{\zeta}{\eta}$ .