# Errata: "Reducing the Probability of Capture into Resonance", MNRAS, 365, 1367[2006] 

A. C. Quillen

March 2007

Eqn 14a should have a factor of $(j-1)^{-1}$ instead of $(j-1)$.
Eqn 14b should have $(j-2)^{-1}$ instead of $(j-2)$.
Eqn 15 should have $(j-2)^{-1}$ instead of $(j-2)$.
Likewise eqn (A16) should have a factor of $(j+2)^{-1}$ instead of $(j-2)$.
These errors are consistent with the following corrections to the tables: The $n_{p, \text { crit }}$ values in Table 1 should be divided by a factor of $(j-1)^{2}$ (external) or $(j+1)^{2}$ (internal), i.e. divide by 9 for the $4: 3$ resonances, 4 for the $3: 2$ resonances and no change for the $2: 1$. The $n_{p, \text { crit }}$ values in Table 2 should be divided by $(j-2)^{2}$ or $(j+2)^{2}$, i.e., the 5:3 values should be 9 times smaller but the 3:1 values are not changed.

Just before eqn. $1, I \equiv L / j$ instead of $I=L j$.
For external resonances Eqn 4 should have been $c=-2 \mu \alpha^{3 / 2} f_{2}$ and could be better written as

$$
\begin{equation*}
c=-\frac{\mu}{4} \alpha^{5 / 2} b_{3 / 2}^{1} \tag{1}
\end{equation*}
$$

For internal resonances A10 is correct but could be better written as

$$
\begin{equation*}
c=-\frac{\mu}{4} \alpha^{1 / 2} b_{3 / 2}^{1} \tag{2}
\end{equation*}
$$

Equation 24 should have a factor $\left(G M_{*} / a_{p}\right)^{1 / 2}$ instead of $\left(G M_{*} / a_{p}\right)$ otherwise the units are incorrect.

