

REMARKS on the paper

Exponential stability for the resonant D'Alembert model of Celestial Mechanics
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1. Formula (6) has to be corrected in $\nu_1(0) \neq \sqrt{\frac{2}{3}}$.
2. In formulae (37) and (38) $H_2^{(1)}$, $M_2^{(1)}$, $H_2^{(2)}$, $M_2^{(2)}$ have to be replaced, respectively, by $H_*^{(1)}$, $M_*^{(1)}$, $H_*^{(2)}$, $M_*^{(2)}$.
3. In formula (58) ε^{ξ_5} has to be replaced by $\xi_4 \varepsilon^{\xi_5}$.
4. In Theorem 2.1, one can take (as it is immediate to check)

$$C_2 = C_3 = C_5 = 1, \quad C_4 = 0.$$

Thus, the only constants (eventually) to be evaluated are ε_0 and C_1 .

In the case (p, q) different from $(1, 1)$ and $(2, 1)$, C_1 is chosen at p. 580 (before Eq. (52); compare also, Eq.s (27) and (13)).

In the case $(p, q) = (1, 1)$ or $(2, 1)$ the explicit evaluation of C_1 is significantly more involved and depends upon $L \bar{J}_1$ and \bar{J}_2 .