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# Errata: Non-Radial Oscillations of Stars in General Relativity: A Scattering Problem

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# ERRATA

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## Rapidly rotating relativistic stars

By J. L. Friedman and J. R. Ipser

Page 398, the equation in the paragraph following equation (1.54) should read $T^{ab} = \epsilon u^a u^b + p q^{ab}$.

Equation (1.64) should read

$$e^{-\beta+2\mu}(G^{(3)(3)} - G^{(2)(2)}) = e^{-\beta}(G_{zz} - G_{\varpi\varpi}):$$

$$\beta_{,\varpi\varpi} - \beta_{\mu,zz} - 2(\beta_{,\varpi}\mu_{,\varpi} - \beta_{,z}\mu_{,z} + \nu_{,\varpi}\psi_{,\varpi} - \nu_{,z}\psi_{,z}) - \tfrac{1}{2}e^{\beta-4\nu}[\omega^2_{,\varpi} - \omega^2_{,z}] = 0. \quad (1.64)$$

Page 399, line 2, *for* §2*d read* §2*c*.
Page 400, line 25, *for* $O(\Omega)$ *read* $O(\Omega^2)$.
Page 408, equation (2.20), *for* $\nabla_b$ *read* $\nabla_a$.
Page 409, line before equation (2.39), *for* (3.19) and (3.20) *read* (2.19) and (2.20).
Page 410, equation (2.41), *for n read* $n_a$; equation (2.42), *for n read* $n_e$.
Page 417, in the Lemma, *for* $(\dot{\Omega}\dot{J} + \dot{\mu}N) > 0$ *read* $(\dot{\Omega}\dot{J} + \dot{\mu}\dot{N}) > 0$.

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## Non-radial oscillations of stars in general relativity: a scattering problem

By V. Ferrari

Page 434, equation (68) should read

$$Z_c = Z + i\sigma_i\,\partial Z/\partial\sigma = \alpha(\sigma)\,Z_1 - \beta(\sigma)\,Z_2 + i\sigma_i\,[\alpha'(\sigma)\,Z_1 - \beta'(\sigma)\,Z_2 + \alpha(\sigma)\,Z_1' - \beta(\sigma)\,Z_2'], \quad (68)$$