Erratum: Domain of validity of the evolution of perturbations
in Newtonian cosmology with pressure

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There is a wrong coefficient in Eq. (2.21). The correct equation is

\[ \ddot{\delta} - \left[ 3(2w - c_s^2 - c_{\text{eff}}^2) - 2 \right] H \dot{\delta} + 3 H^2 \left[ \frac{3}{2} w^2 - 4 w - \frac{1}{2} + 3 c_s^2 \right] + c_{\text{eff}}^2 (3 c_s^2 - 6 w - 1) + \frac{c_{\text{eff}}^2}{H} \delta = \frac{c_{\text{eff}}^2}{R^2} \nabla^2 \delta. \] (2.21)

The conclusion of the paper should also be modified. The equivalence between relativistic and Newtonian equations is only obtained, in the case with pressure, if \( c_{\text{eff}}^2 = \delta p/\delta \rho = 0. \)