Erratum: Causal hydrodynamics of gauge theory plasmas from AdS/CFT duality [Phys. Rev. D **77**, 066014 (2008)]

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The perturbative solution for the shear mode reported in our paper referenced in the title is incorrect. The solution (B1)–(B4) should be

$$F_0 = C, \quad F_1 = iC \left(-\frac{1}{u} + \ln(1+u) \right), \quad G_1 = \frac{C}{2u}, \quad (1)$$

$$F_2 = C \left[\frac{-1 + \ln 2}{u} + \frac{\ln 2}{2} \ln(u-1) - \frac{1}{4} \ln(u+1) \ln\{(1-u)^2(u+1)\} - \frac{1}{2} \text{Li}_2\left(\frac{u+1}{2}\right) \right], \quad (2)$$

$$H_{11} = -iC \left[\frac{1}{u} \left(1 - \frac{1}{2} \ln(u+1) \right) + \ln\left(\frac{u}{u+1}\right) \right], \quad (3)$$

$$G_2 = \frac{1}{2} C \left[\frac{1}{u} + \ln\left(\frac{u}{u+1}\right) \right]. \quad (4)$$

The solution given in the paper is actually the perturbative solution for *the diffusive mode* although F_1 is incorrect. The solution F_1 for the diffusive mode should be

$$F_1 = C \ln \frac{1+u}{2u}. \quad (5)$$