Erratum

Triangulation of gravitational wave sources with a network of detectors
Stephen Fairhurst 2009 New J. Phys. 11 123006

New Journal of Physics 13 (2011) 069602
Received 6 April 2011
Published 30 June 2011
Online at http://www.njp.org/
doi:10.1088/1367-2630/13/6/069602

As written, equations (20)–(23) are incorrect. In several places, they have an exponent outside the bar over $f$ when they should have it inside. The corrected expressions are:

$$\langle h_0|h_0(dt)\rangle^2 \approx 1 - 4\pi^2 dt^2 \langle fh_0|fh_0\rangle = 1 - 4\pi^2 (dt)^2 \tilde{f}^{-\frac{n}{2}}.$$  (20)

$$\tilde{f}^n := 4 \int_0^\infty df \frac{|\tilde{h}(f)|^2}{S(f)} f^n.$$  (21)

$$\langle h_{\pi/2}|h_0(dt)\rangle \approx 2\pi \tilde{f} dt,$$  (22)

$$p(dt|s) \propto \exp[-2\rho^2 \pi^2 \sigma_f^2 dt^2] \quad \text{where} \quad \sigma_f^2 = \tilde{f}^2 - \bar{f}^2,$$  (23)