

$$1.05599 \approx \frac{3^{7/6}\sqrt{\pi}\Gamma(10/3)}{2^{10/3}} \geq \left(\frac{3\Gamma(x/3+7/3)}{2\Gamma(x/3+2)}\right)^{1/2} \frac{\Gamma(x/2+1)}{\Gamma(x/2+3/2)}\left(\frac{x+1}{3}\right)^{1/3} > 1.$$