

**19.1 Dynamical stress tensor.**

Use the product rule and

$$\delta\sqrt{|g|} = -\frac{1}{2}\sqrt{|g|} g_{\mu\nu} \delta g^{\mu\nu}$$

in the second step. Recall also that the last equation means

$$\frac{\delta\sqrt{|g(x)|}}{\delta g^{\mu\nu}(x')} = -\frac{1}{2}\sqrt{|g(x)|}\delta(x-x').$$