$$(1) \frac{\partial}{\partial t} \int d^3x \, T^{0\alpha} = 0$$

$$=\int d^{3}x T^{0}\alpha$$

$$T^{0},t = -T^{0},i$$

$$T^{0},t + T^{0},t + T^{0},t + T^{0},t + T^{0},t = 0$$

$$\int -\int t^{i}\alpha d^{3}x \qquad T^{0}\alpha d^{3}x \qquad T^{0}\alpha d^{3}x = -T^{i}\alpha d^{3}x$$

$$= - \oint T^{i\alpha} n_i d^2 S$$

$$\int \int_{3t^{2}}^{2} \int T^{00} x^{i} x^{j} d^{3}x = 2 \int T^{i} i d^{3}x$$

$$\int T^{00}_{,tt} x^{i} x^{j} d^{3}x$$

$$= - \int T^{k0}_{,k0} x^{i} x^{j} d^{3}x$$

$$= \frac{\partial}{\partial t} \int T^{k0}_{,k} \times^{i} \times^{j} J^{3} \times$$

$$= -\frac{\partial}{\partial t} \int \partial_{k} T^{k0} \times^{i} \times^{j} J^{3} \times$$

$$= -\frac{\partial}{\partial t} \left(T^{k0} \times^{i} \times^{j} - \int \partial_{k} T^{k0} J^{k} J^{k$$

$$\begin{aligned}
&= \int T^{ik} \frac{\partial x^{i}}{\partial x^{u}} + \int T^{ik} \frac{\partial x^{2}}{\partial x^{ik}} \\
&= \int T^{ij} + \int T^{ii} \\
&= 2 \int T^{ij} \frac{\partial^{2} x^{i}}{\partial x^{i}} \\
&= 2 \int T^{ij} \frac{\partial^{2} x^{i}}{\partial x^{i}} \\
&= 4 \int T^{i}; x^{i}x^{i}; d^{3}x + 8 \int T^{ij}x^{i}x^{j}; d^{3}x \\
&= \frac{\partial}{\partial t} \int \frac{\partial T^{i0}}{\partial t} (x^{i}x^{i})^{2} d^{3}x + \frac{\partial}{\partial t} \int T^{i0} \frac{\partial (x^{i}x^{i})^{2}}{\partial t} d^{3}x \\
&= \frac{\partial}{\partial t} \int -T^{k0}, (x^{i}x^{i})^{2} d^{3}x + \frac{\partial}{\partial t} \int T^{i0}, \frac{\partial (x^{i}x^{i})^{2}}{\partial t} d^{3}x \\
&+ \int T^{i0}, \frac{\partial^{2}(x^{i}x^{i})^{2}}{\partial t^{2}} d^{3}x
\end{aligned}$$