$$\frac{\partial}{\partial t} \; D^{(2)}(t) \; \substack{x \\ x'} \;=\; D^{(2)}(t) \; \substack{\frac{x}{z} \;\; x \\ z \\ x'} \;-\; D^{(2)}(t) \; \substack{x \\ z \\ x'}$$

$$+\; (x \longleftrightarrow x')$$

$$+\; D(t) \; \substack{x+x' \\ x \\ x'}$$