

1. Ukažte, že platí

$$v^i|_{jk} - v^i|_{kj} = \left[\frac{\partial \Gamma^i_{jm}}{\partial \xi^k} - \frac{\partial \Gamma^i_{km}}{\partial \xi^j} + \Gamma^i_{lk} \Gamma^l_{jm} - \Gamma^i_{lj} \Gamma^l_{km} \right] v^m.$$