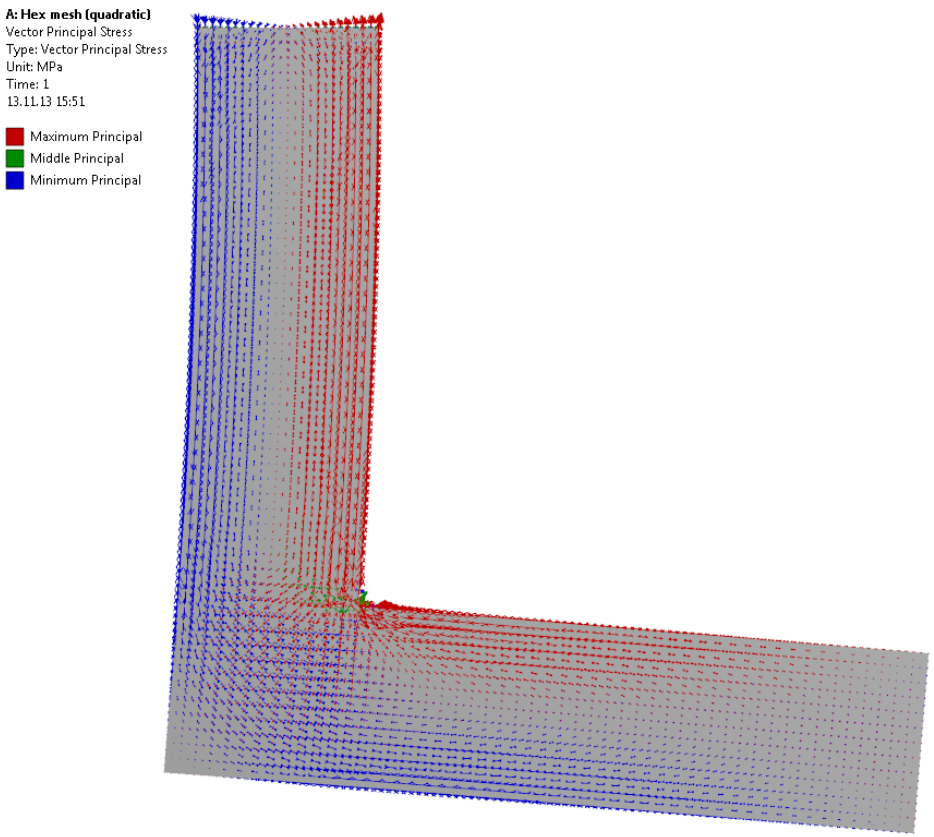
Querkontraktionszahlen

$$\nu_{ij} = \frac{E_i}{E_j}\nu_{ji}$$

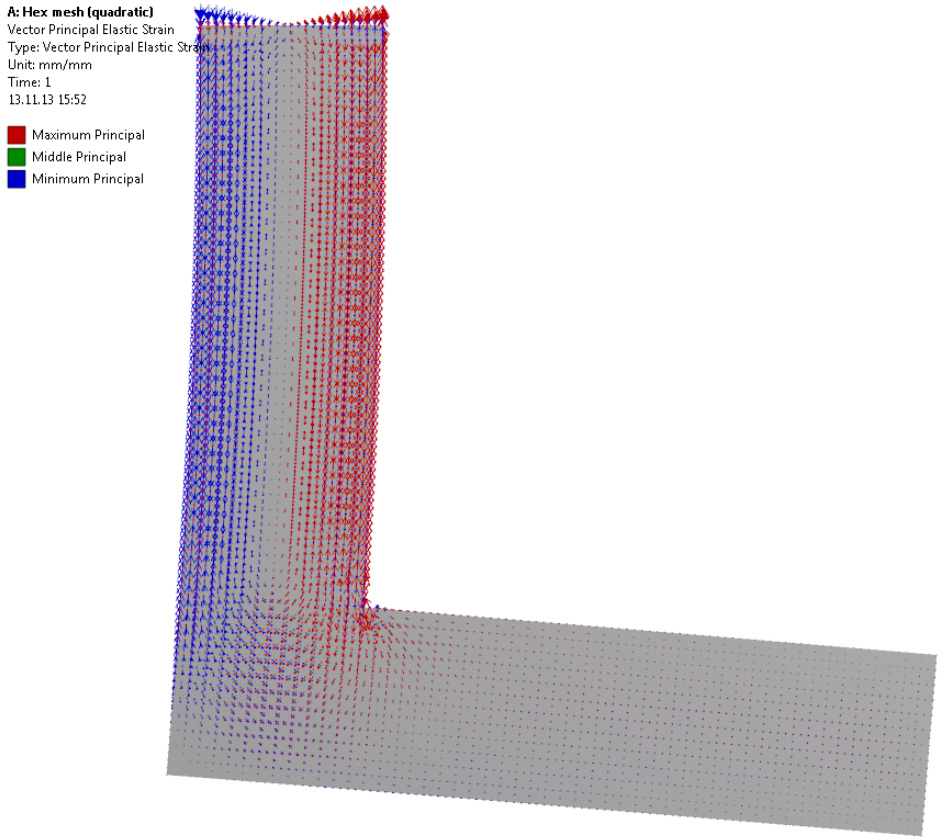
Major PR: $\max\{\nu_{ij}, \nu_{ji}\}$

Minor PR: $\min\{\nu_{ij}, \nu_{ji}\}$

Fall 1: Fasern horizontal

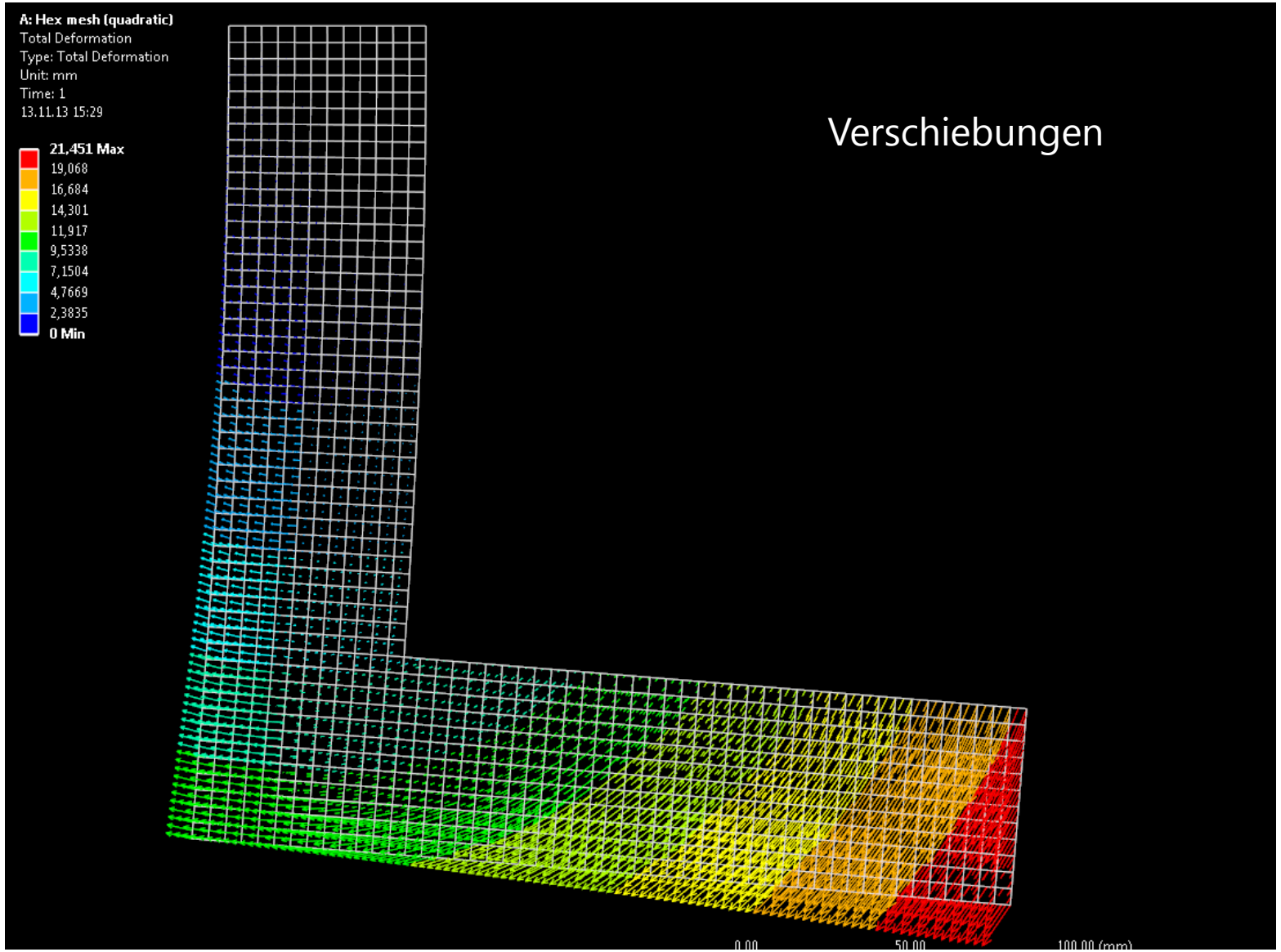


Hauptspannungen

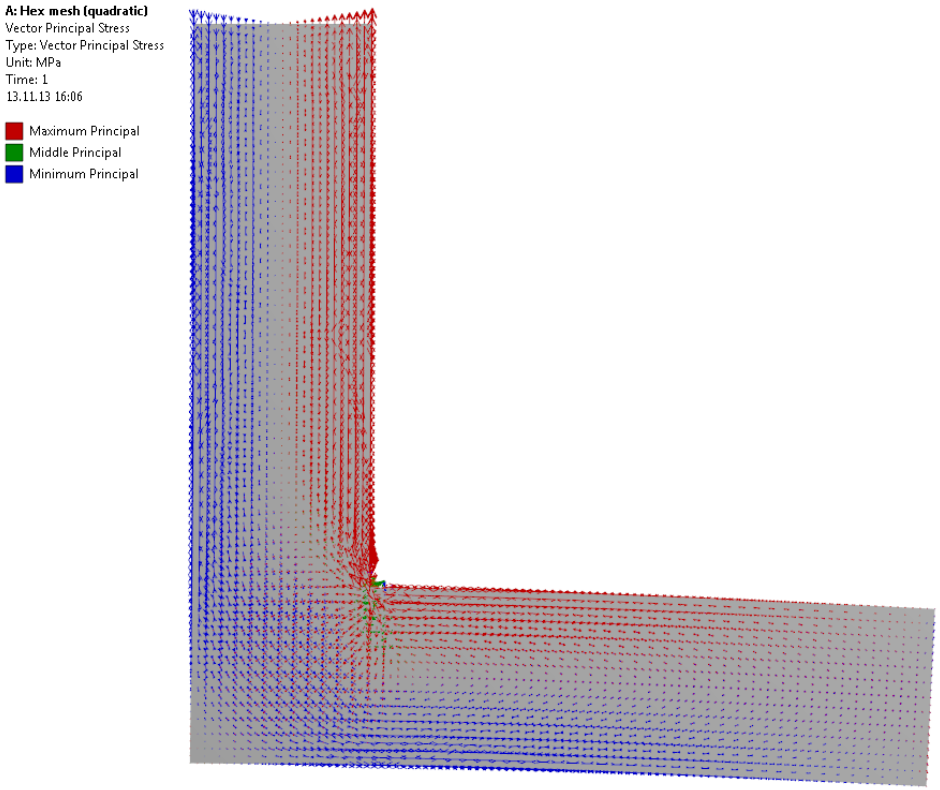


Hauptdehnungen

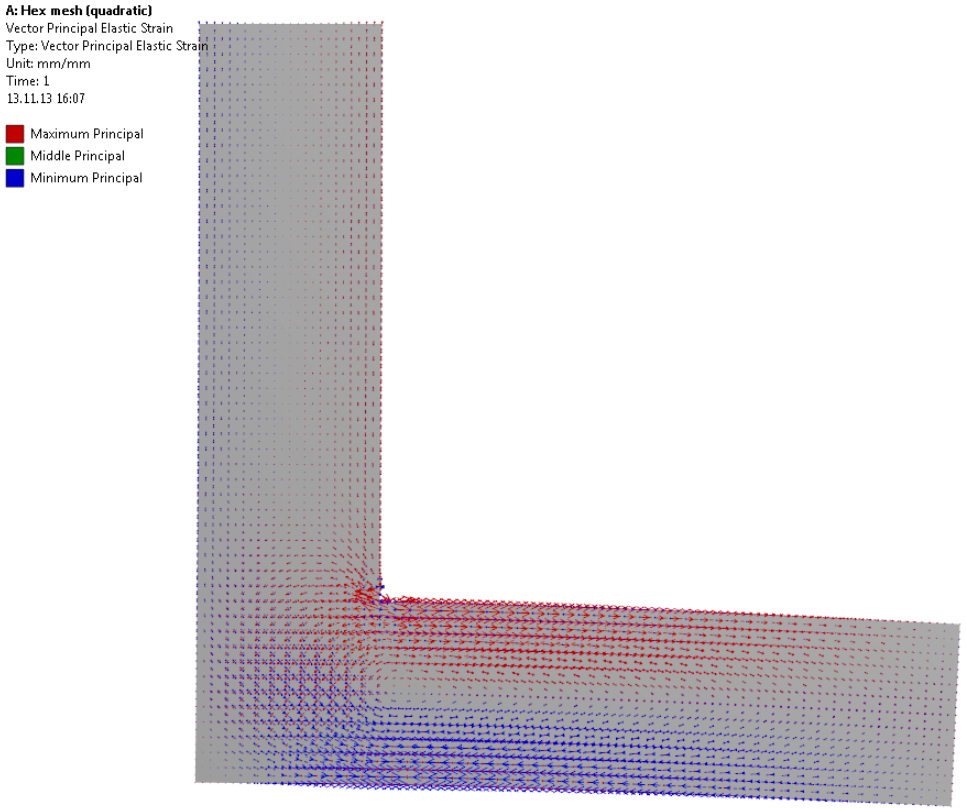
Fall 1: Fasern horizontal



Fall 2: Fasern vertikal

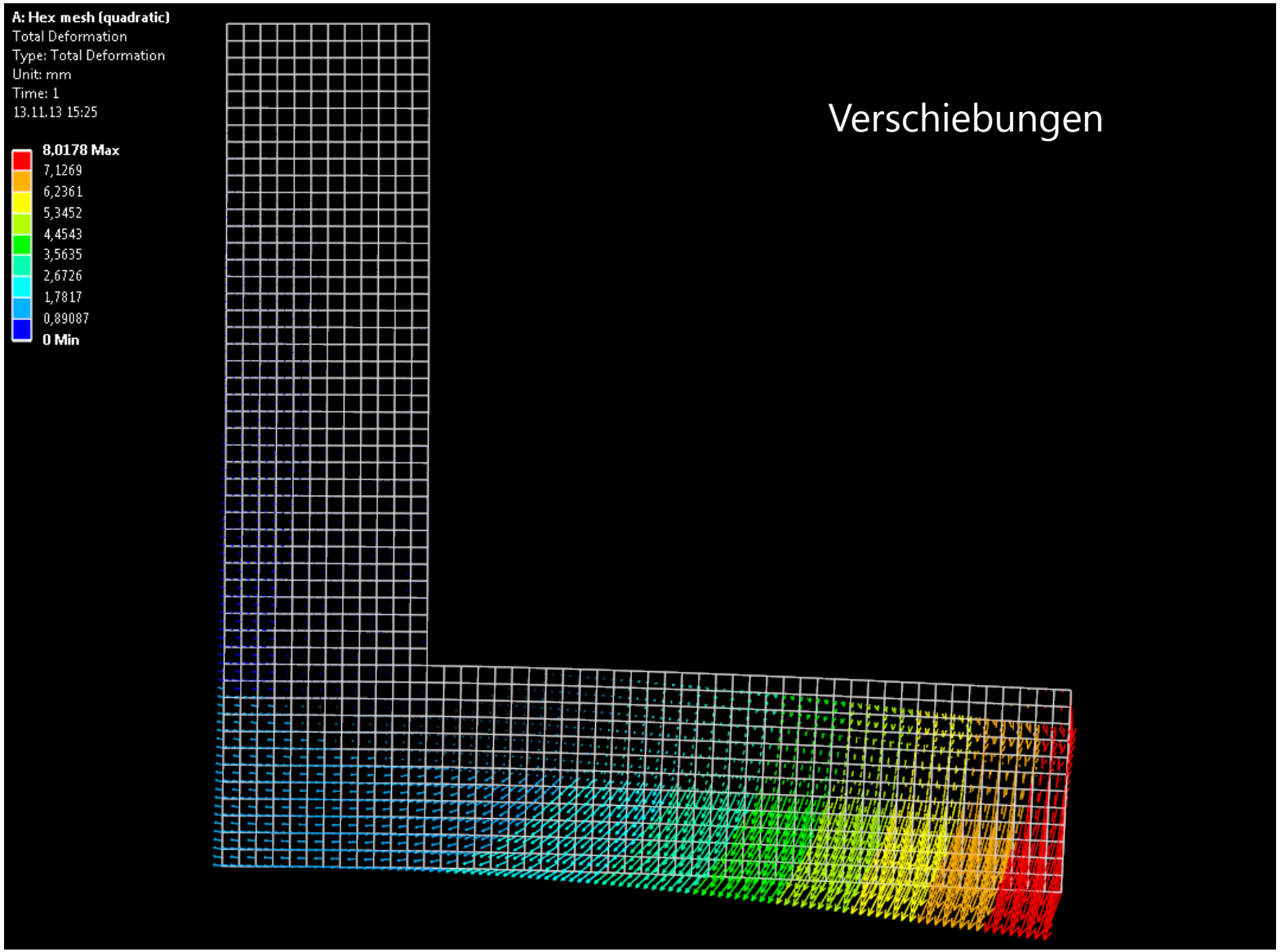


Hauptspannungen

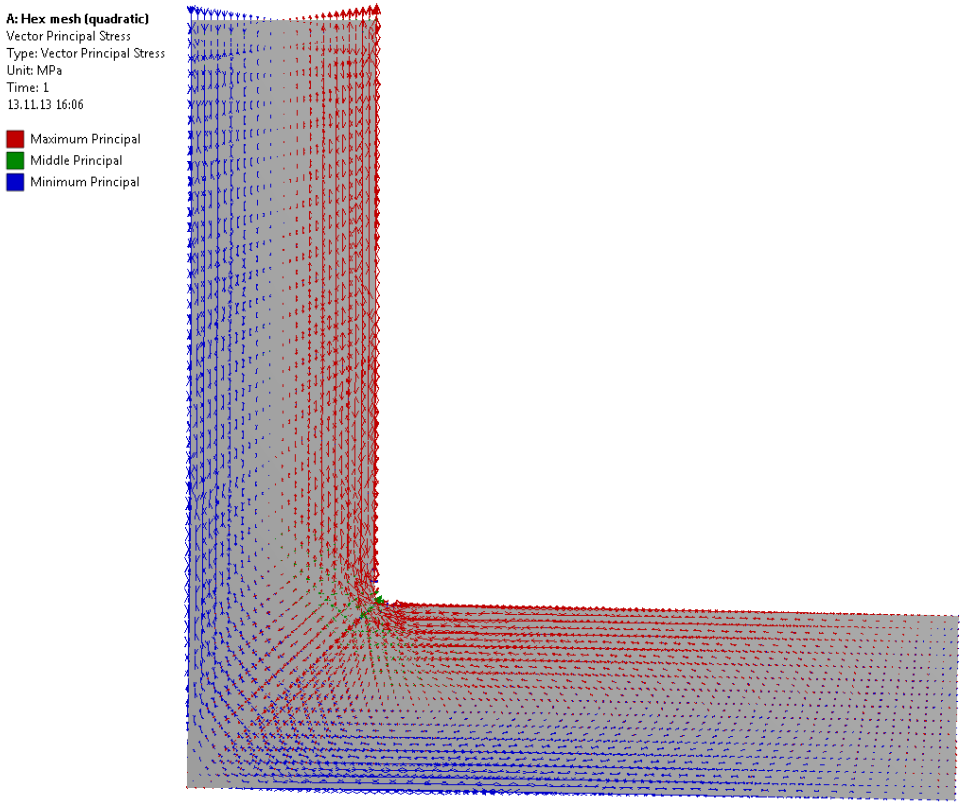


Hauptdehnungen

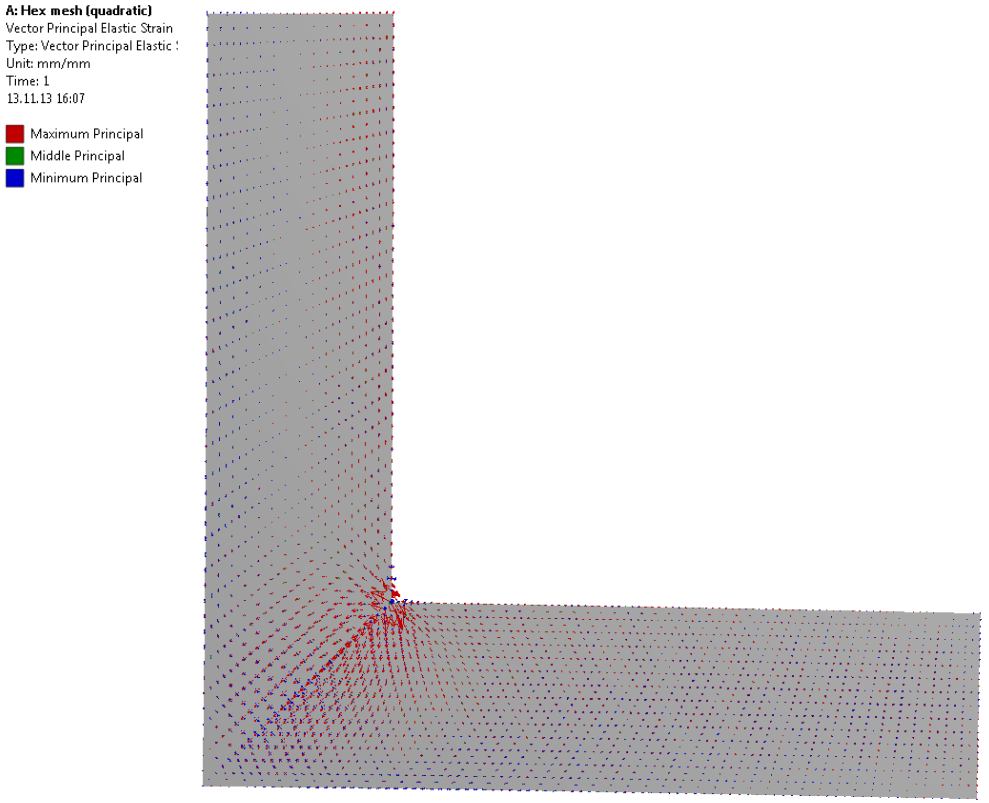
Fall 2: Fasern vertikal



Fall 3: Fasern längs Bauteilverlauf



Hauptspannungen



Hauptdehnungen

Fall 3: Fasern längs Bauteilverlauf