

Querkontraktionszahlen

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

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

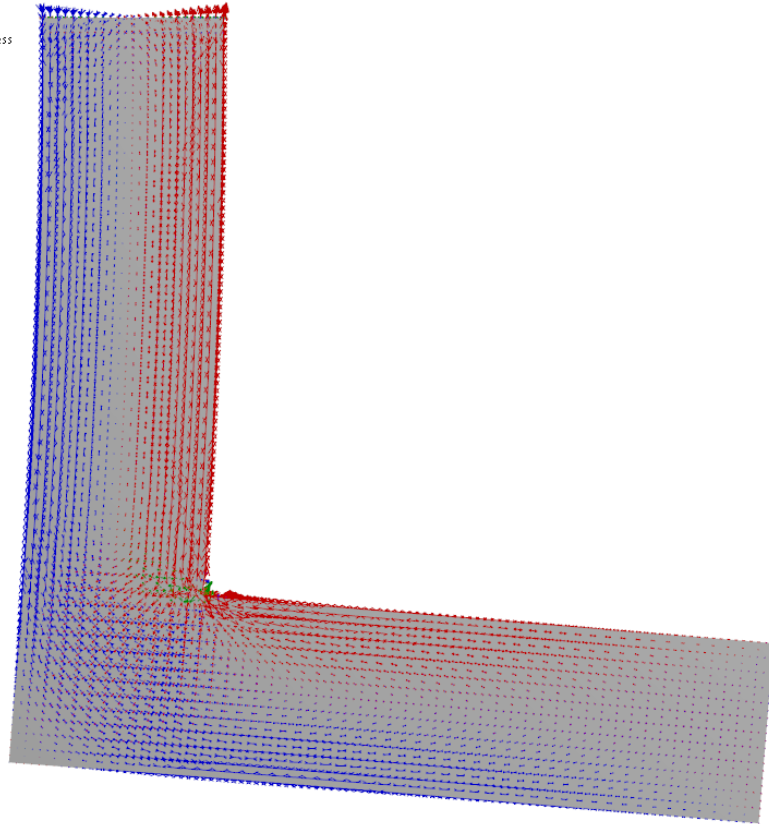
Minor PR: $\min\{\nu_{ij}, \nu_{ji}\}$

Fall 1: Fasern horizontal



A: Hex mesh (quadratic)
Vector Principal Stress
Type: Vector Principal Stress
Unit: MPa
Time: 1
13.11.13 15:51

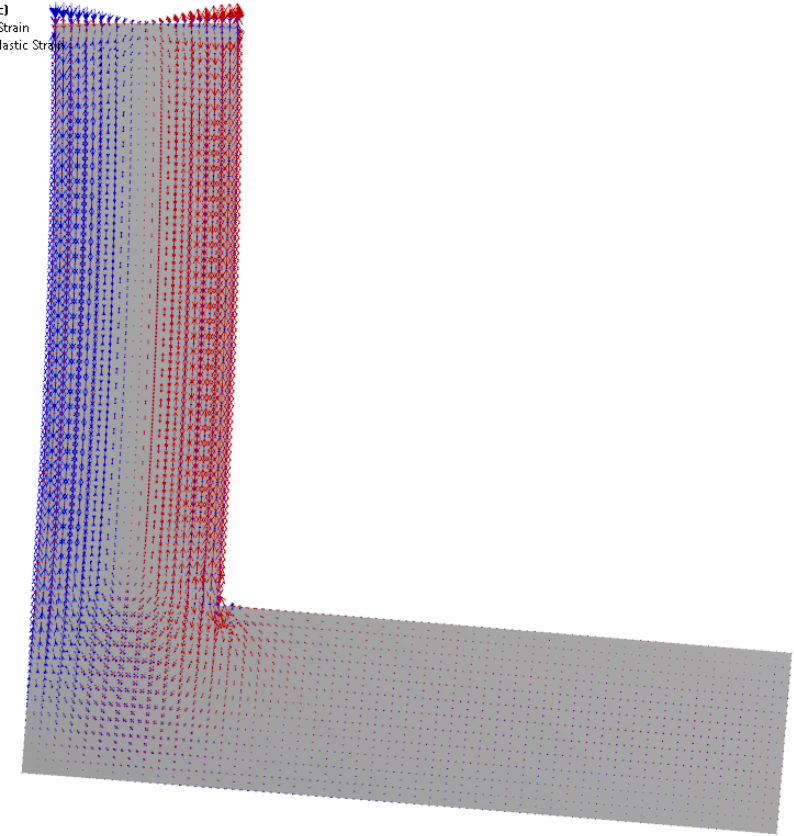
Maximum Principal
Middle Principal
Minimum Principal



Hauptspannungen

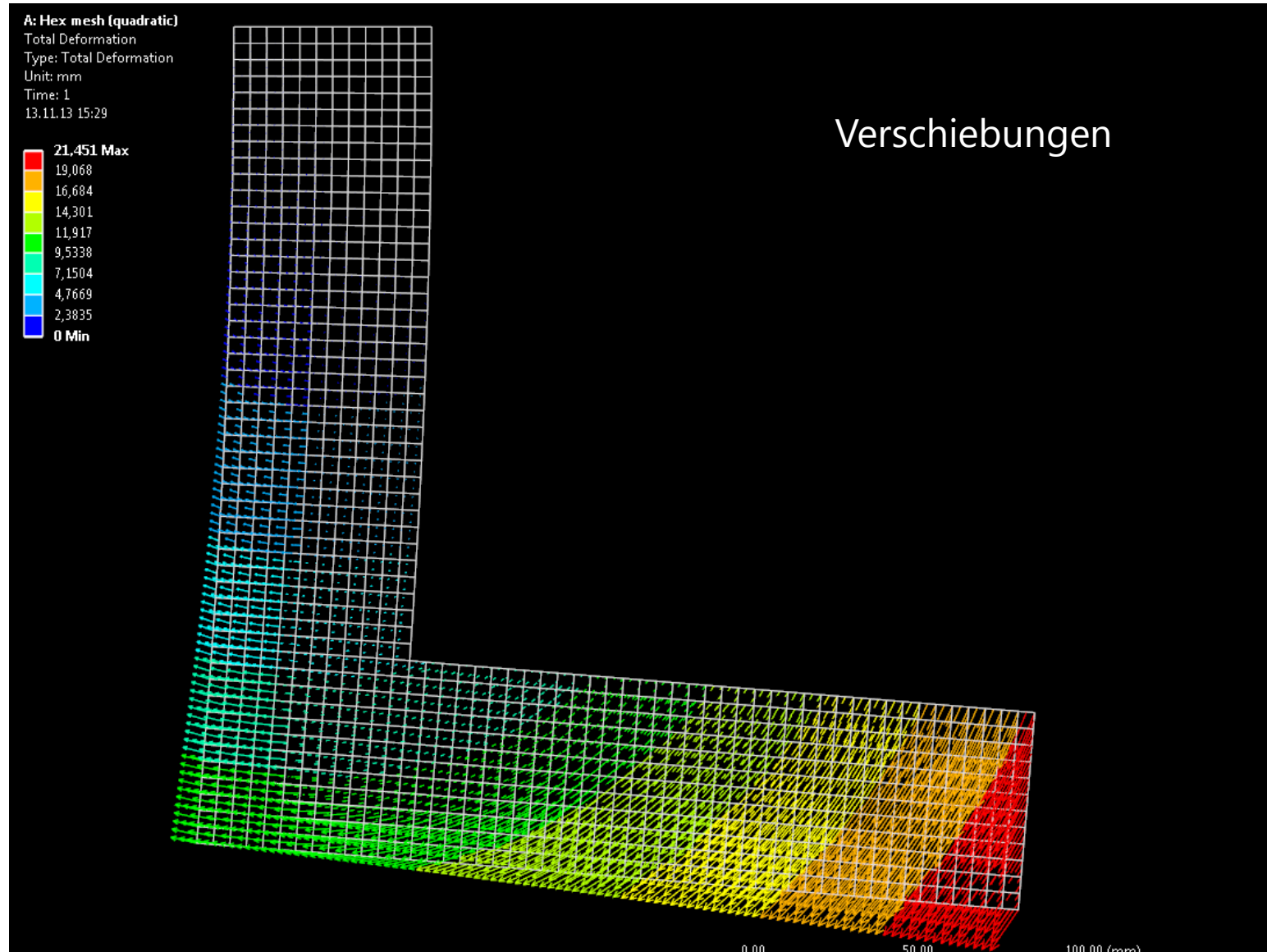
A: Hex mesh (quadratic)
Vector Principal Elastic Strain
Type: Vector Principal Elastic Strain
Unit: mm/mm
Time: 1
13.11.13 15:52

Maximum Principal
Middle Principal
Minimum Principal



Hauptdehnungen

Fall 1: Fasern horizontal

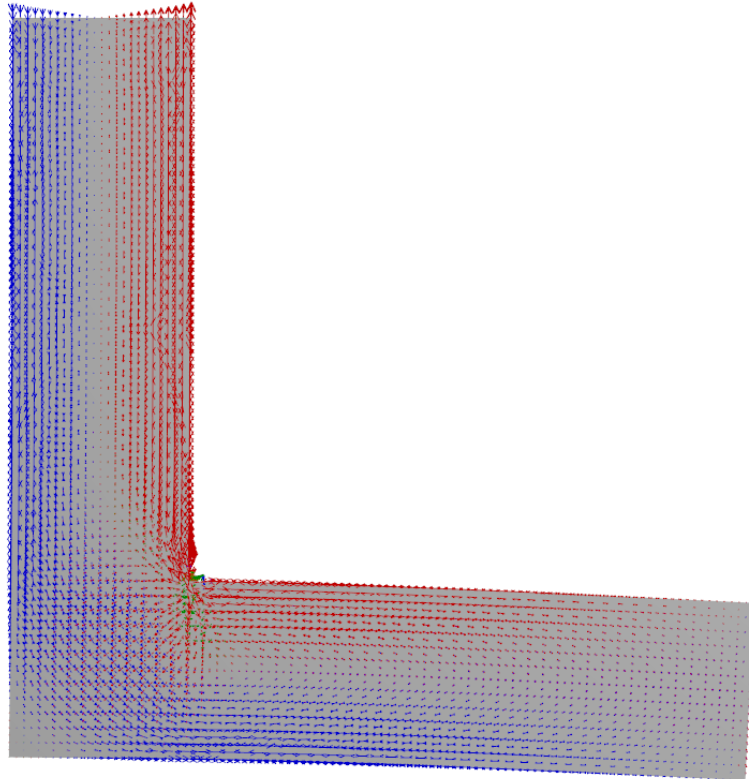


Fall 2: Fasern vertikal



A: Hex mesh (quadratic)
Vector Principal Stress
Type: Vector Principal Stress
Unit: MPa
Time: 1
13.11.13 16:06

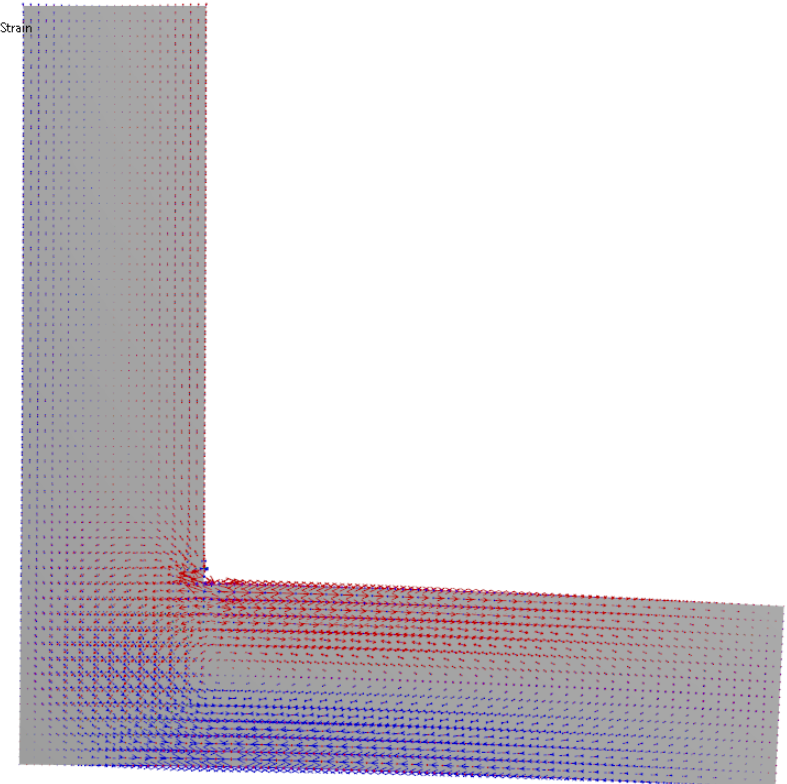
Maximum Principal
Middle Principal
Minimum Principal



Hauptspannungen

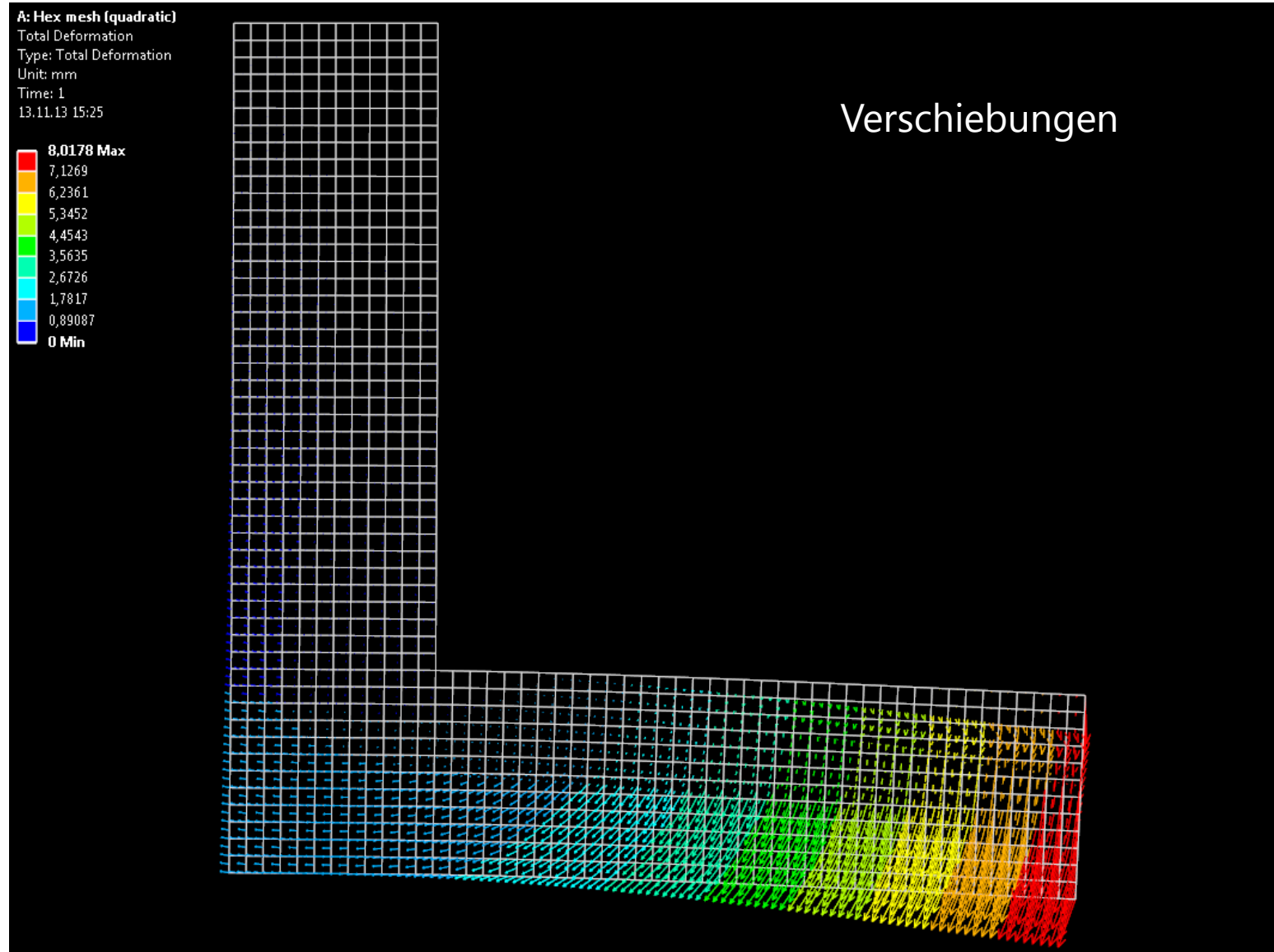
A: Hex mesh (quadratic)
Vector Principal Elastic Strain
Type: Vector Principal Elastic Strain
Unit: mm/mm
Time: 1
13.11.13 16:07

Maximum Principal
Middle Principal
Minimum Principal



Hauptdehnungen

Fall 2: Fasern vertikal

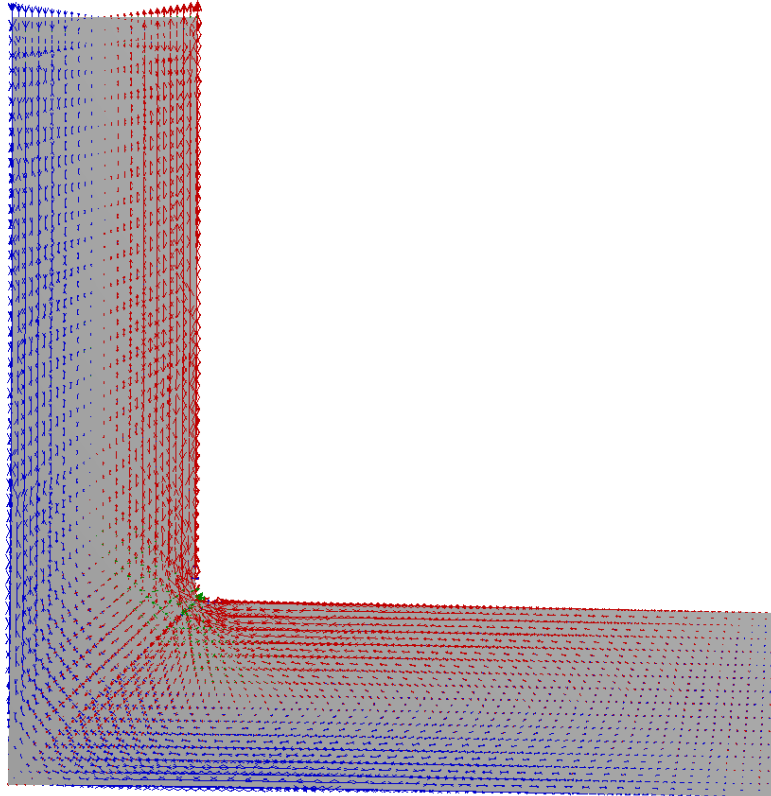


Fall 3: Fasern längs Bauteilverlauf



A: Hex mesh (quadratic)
Vector Principal Stress
Type: Vector Principal Stress
Unit: MPa
Time: 1
13.11.13 16:06

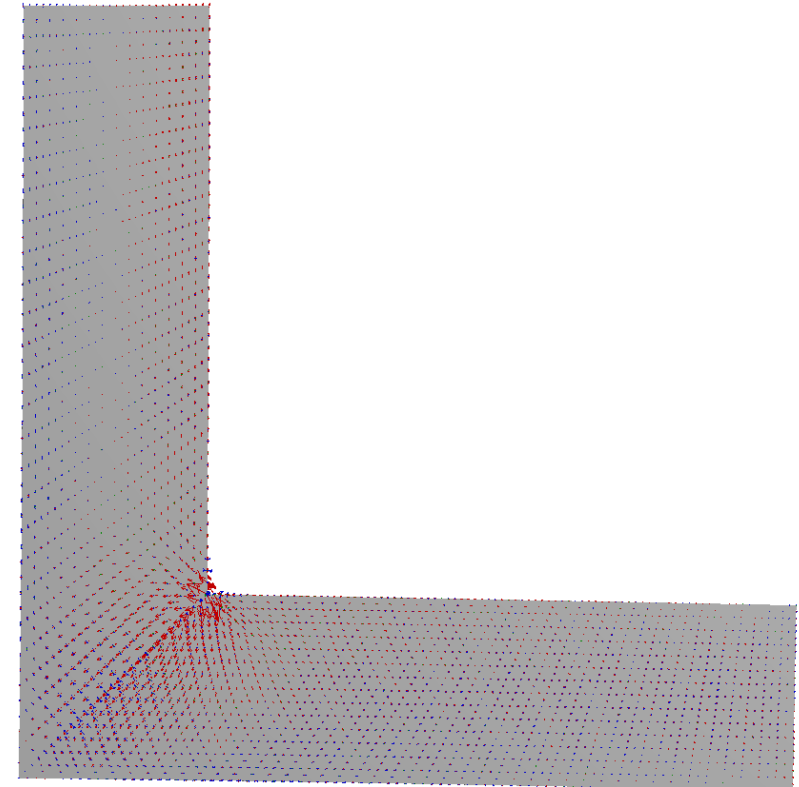
Maximum Principal
Middle Principal
Minimum Principal



Hauptspannungen

A: Hex mesh (quadratic)
Vector Principal Elastic Strain
Type: Vector Principal Elastic :
Unit: mm/mm
Time: 1
13.11.13 16:07

Maximum Principal
Middle Principal
Minimum Principal



Hauptdehnungen

Fall 3: Fasern längs Bauteilverlauf

