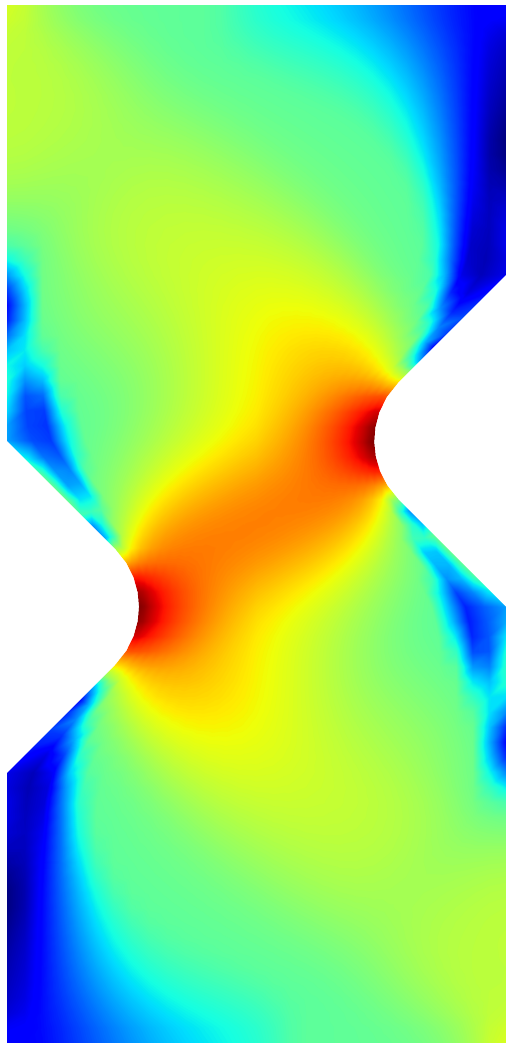
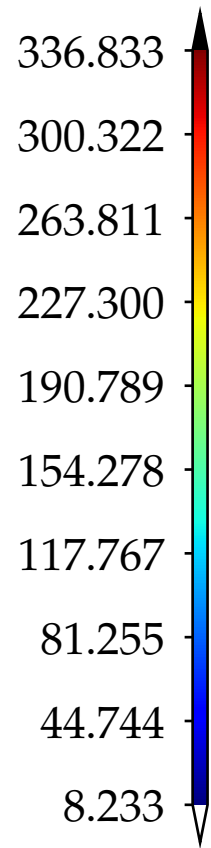
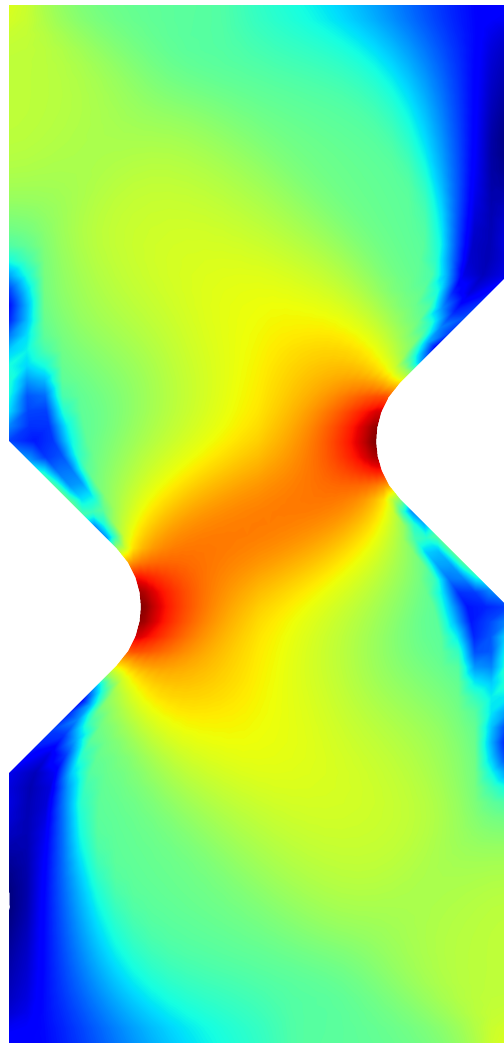


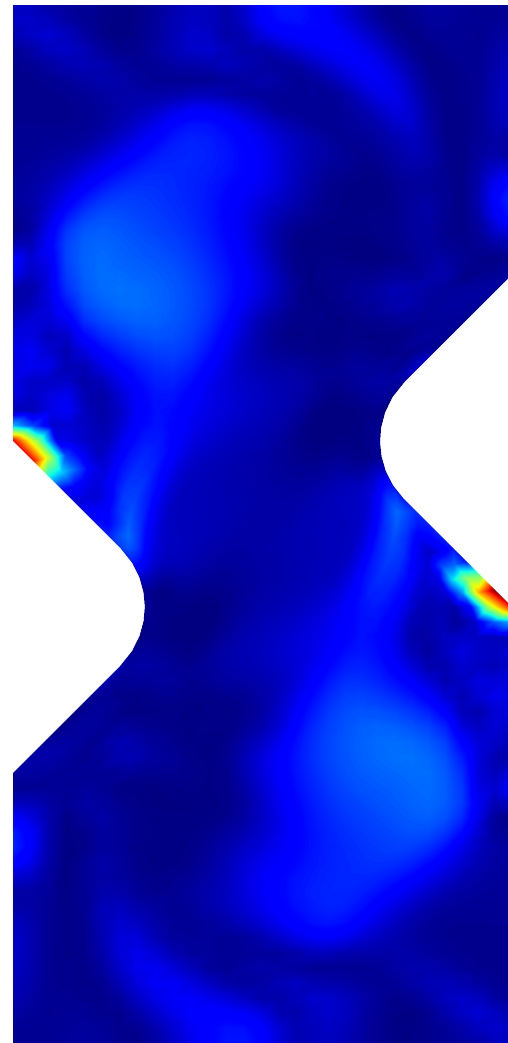
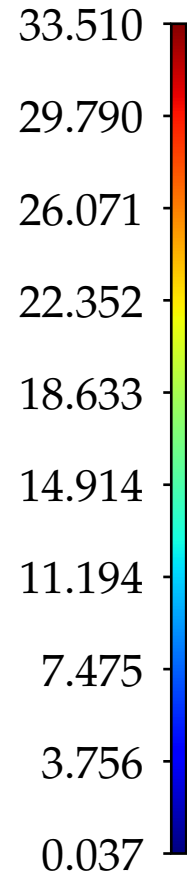
**Abaqus**  
 $\sigma_{vM}$  [MPa]



**Dir-RNN**  
 $\sigma_{vM}$  [MPa]



**Abs. error**  
 $\delta \sigma_{vM}$  [MPa]



Mean: 2.39  
Median: 1.524  
Max.: 33.51  
Min.: 0.037