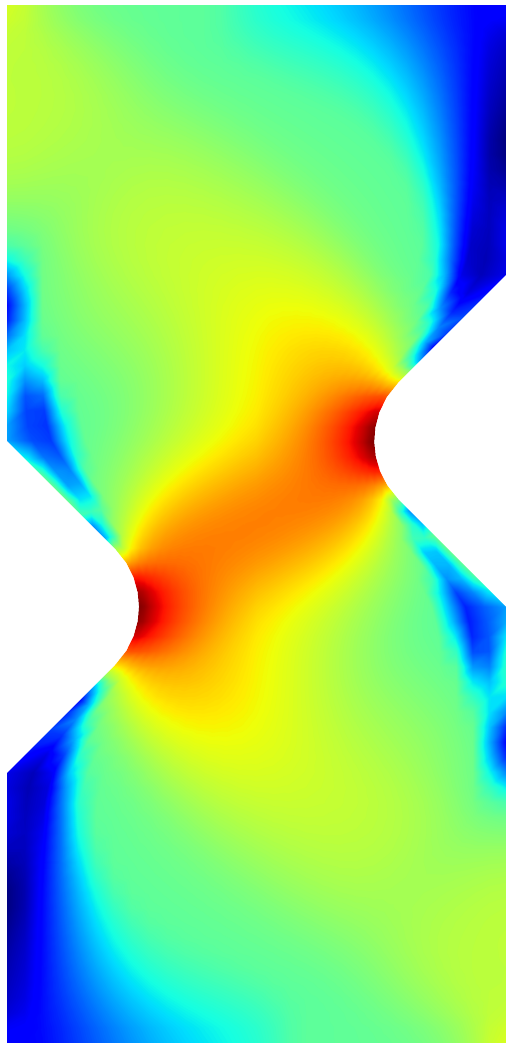
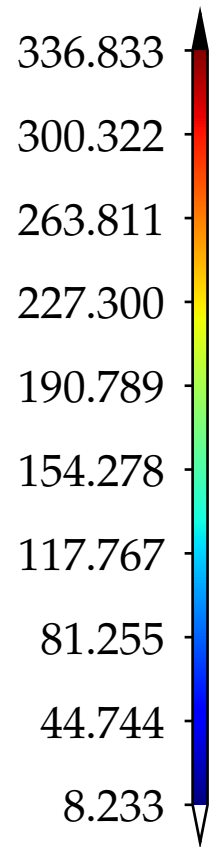
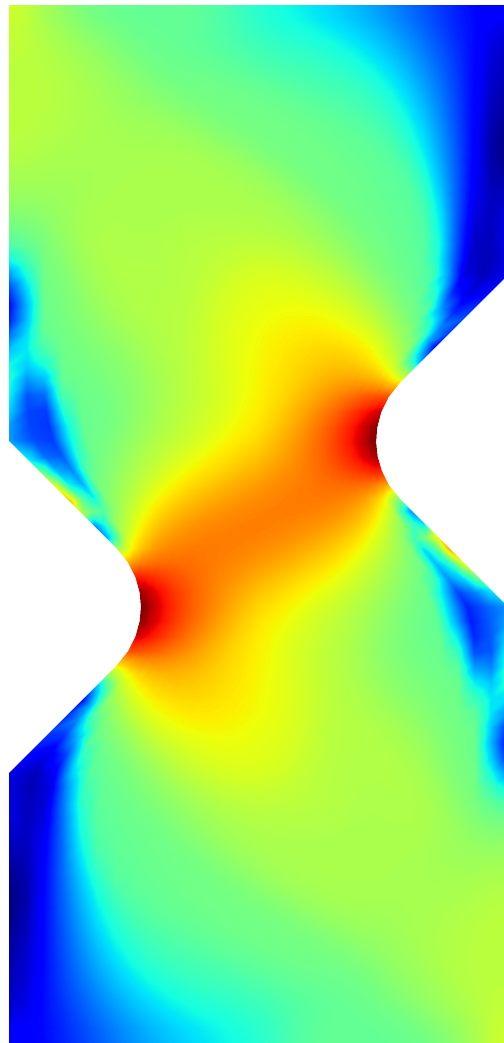


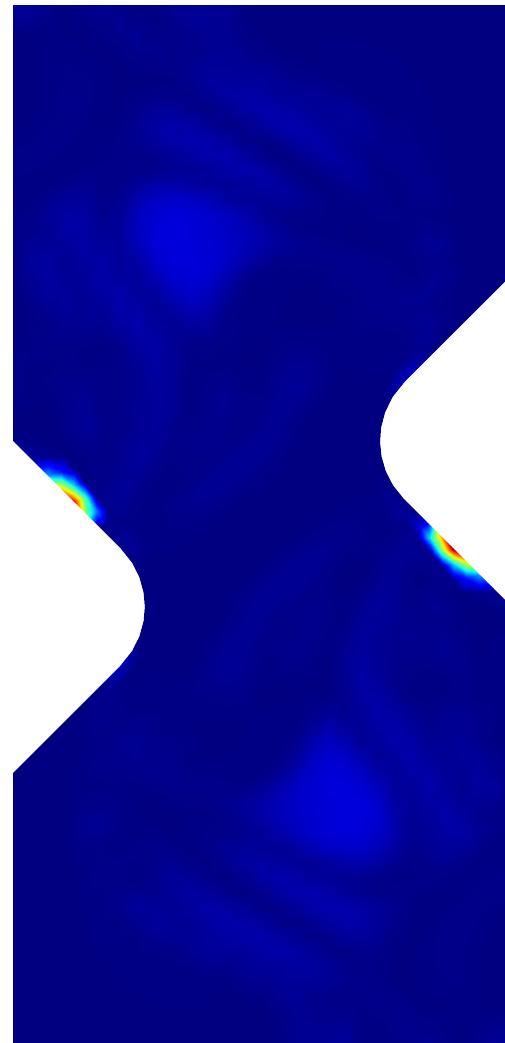
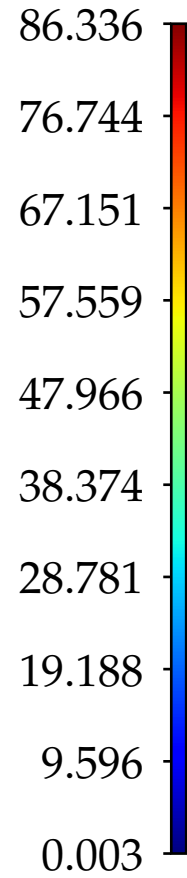
**Abaqus**  
 $\sigma_{vM}$  [MPa]



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



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



Mean: 1.416  
Median: 0.739  
Max.: 86.336  
Min.: 0.003