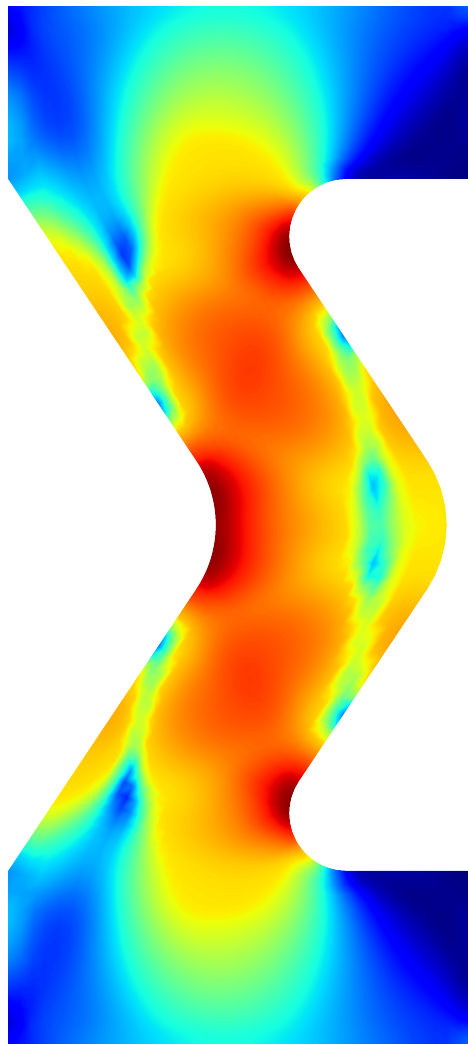
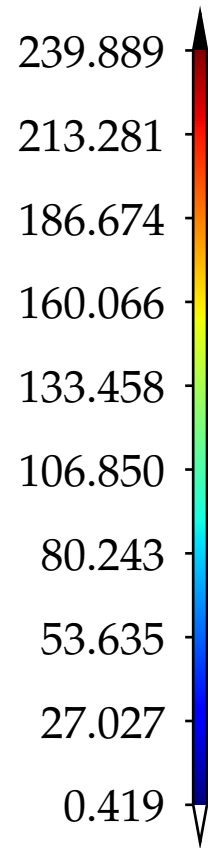
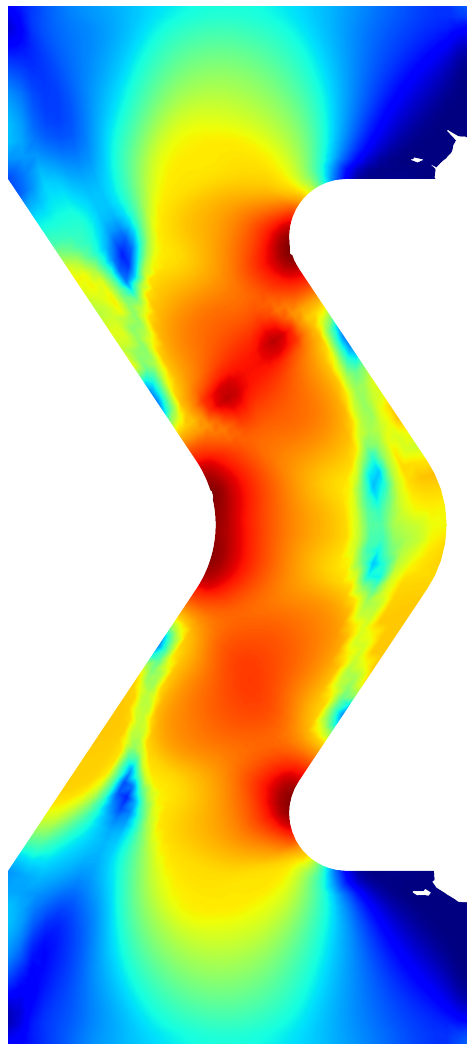


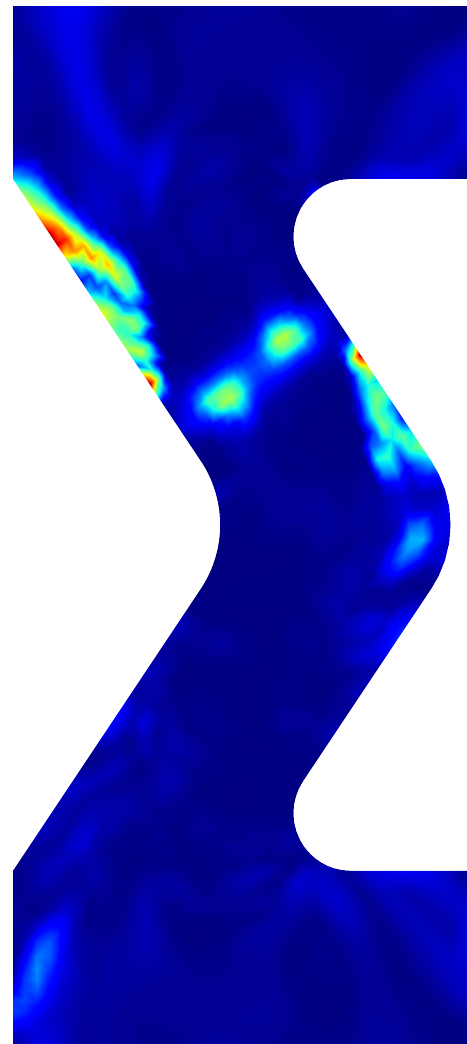
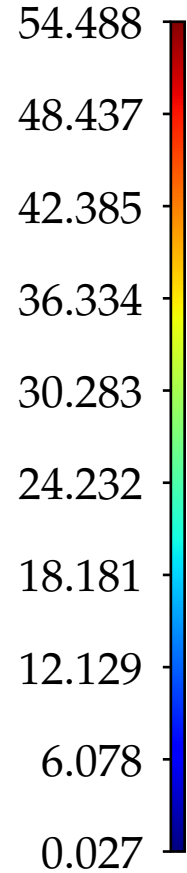
**Abaqus**  
 $\sigma_{vM}$  [MPa]



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



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



Mean: 2.573  
Median: 1.065  
Max.: 54.488  
Min.: 0.027