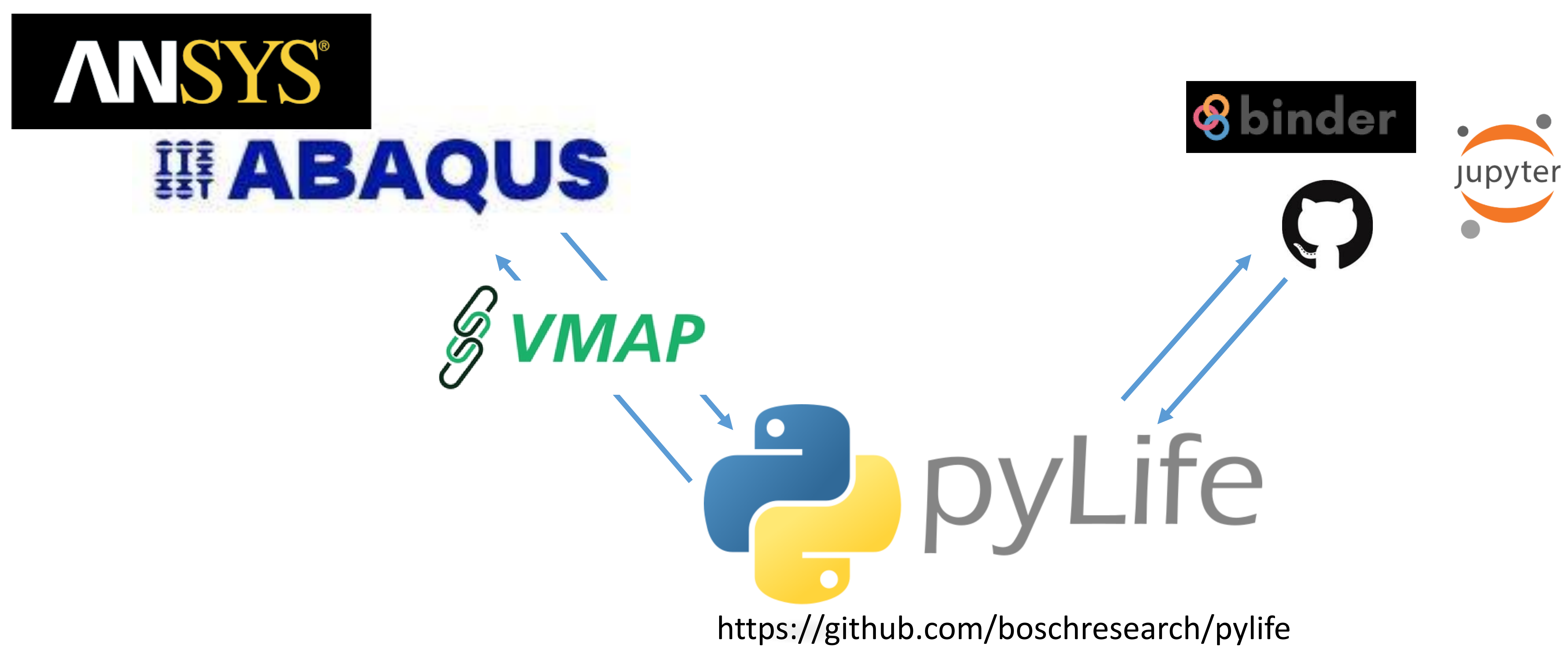


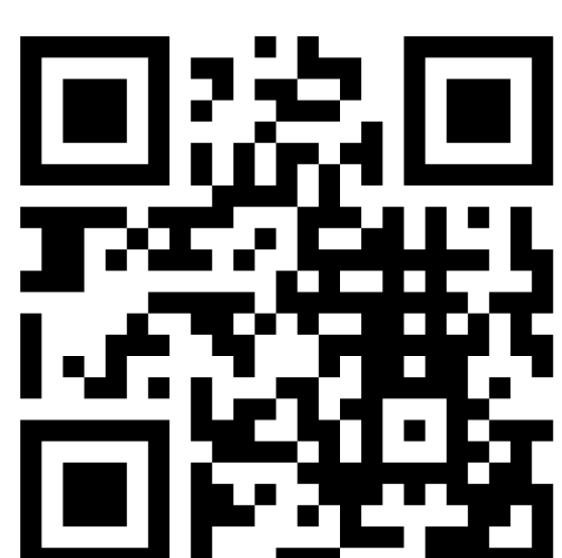
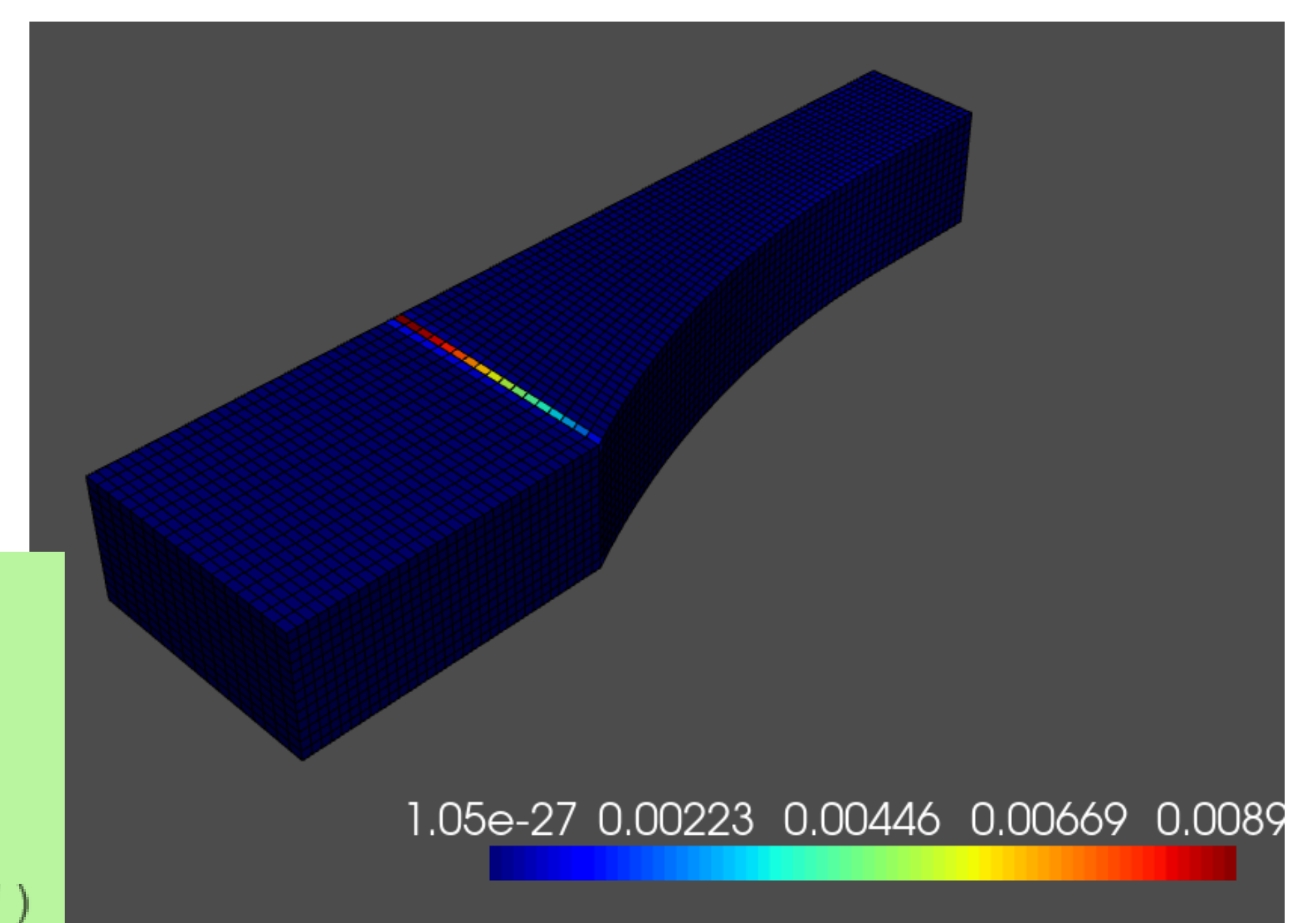
Bosch pyLife supports VMAP v.0.5.0

pyLife, the first open source library in the domain of durability and reliability, was released by BOSCH in 2019 on **GitHub**. With pyLife we like to support the **cooperation** of the scientific community and the industry. Furthermore we want to establish a **network** of researchers and developers who want to distribute new methods and functionalities in the durability and reliability domain via **OSS**.



We are using VMAP as **standard** FEM format in **pyLife**. With VMAP we will have an **easy-to-use** one-line IO-functionality for all common commercial FEM software.

```
FE based failure probability calculation
Read FE data from VMAP-file
In [22]: import pylife.vmap as vmap
vm = vmap.VMAP('Job-Zugprobe_3D_V5_extrapolatedS.vmap')
stress_df = vm.node_stresses('STATE-2', '1')
```



Bosch Research



Join VMAP Standards Community

