psssMOR Toolbox – Analysis and Reduction of Parametric Models in

✓ Definition of **parametric sparse state-space models**

```
psys = psss(func,userData,names)
psys = loadFemBeam3D(Opts)
psys = loadAnemometer3parameter
```

✓ Manipulation of **psss-class objects**

```
psys = fixParameter(psys,2,1.7)
psys = unfixParameter(psys,3)
```

✓ **Compatible** with the sss & sssMOR toolboxes

```
param = [p1, p2, p3, p4]
sys = psys(param)

bode(psys,param); step(sys);
```

✓ Different **parametric reduction methods** available (offline- & online-phase)

```
psysr = matrInterpOffline
(psys,param,r,Opts);

psysr = globalPmorOffline
(psys,param,r,Opts)

sysr = psysr(pQuery)
```

✓ **localReduction** & **adaptiveSampling** as **core functions**

```
[sysrp,Vp,Wp] =
localReduction(psys,param,r,Opts)

paramRef =
adaptiveSampling(psys,param,r)
```