## PyPHS Core

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## 1 System dimensions

$$\dim(\mathbf{x}) = n_{\mathbf{x}} = 0;$$
  

$$\dim(\mathbf{w}) = n_{\mathbf{w}} = 0;$$
  

$$\dim(\mathbf{y}) = n_{\mathbf{y}} = 0;$$
  

$$\dim(\mathbf{p}) = n_{\mathbf{p}} = 0;$$

- 2 System variables
- 3 Constitutive relations
- 4 System structure

$$\mathbf{M} = ();$$
 $\mathbf{J} = ();$ 
 $\mathbf{R} = ();$ 

<sup>\*</sup>https://github.com/afalaize/pyphs

<sup>†</sup>http://s3.ircam.fr