1   Variables

2   root

	var	symbol	documentation	type	units	tokens	eqs
5	*F*	F	incidence matrix of a directed graph	network		[]	
1	*value*	value	numerical value	constant		[]	
2	*zero*	zero	numerical value zero	constant		[]	1
3	*one*	one	numerical value one	constant		[]	2
4	*onehalf*	onehalf	numerical value one half	constant		[]	3

3 physical

	var	symbol	documentation	type	units	tokens	eqs

4 control

	var	symbol	documentation	type	units	tokens	eqs

5 reactions

	var	symbol	documentation	type	units	tokens	eqs

6 material

	var	symbol	documentation	type	units	tokens	eqs

7   macroscopic

	var	symbol	documentation	type	units	tokens	eqs

8   solid

	var	symbol	documentation	type	units	tokens	eqs

9 fluid

	var	symbol	documentation	type	units	tokens	eqs

10 liquid

	var	symbol	documentation	type	units	tokens	eqs

11   gas

	var	symbol	documentation	type	units	tokens	eqs

12 control–control

	var	symbol	documentation	type	units	tokens	eqs

13   gas–liquid

	var	symbol	documentation	type	units	tokens	eqs

14   gas–gas

	var	symbol	documentation	type	units	tokens	eqs

15 liquid–liquid

	var	symbol	documentation	type	units	tokens	eqs

16 gas–solid

	var	symbol	documentation	type	units	tokens	eqs

17 solid–solid

	var	symbol	documentation	type	units	tokens	eqs

18   liquid–solid

	var	symbol	documentation	type	units	tokens	eqs

19 material–material

	var	symbol	documentation	type	units	tokens	eqs

20   reactions–reactions

	var	symbol	documentation	type	units	tokens	eqs

21 Equations

22 Generic

no	equation	documentation	layer
1	$zero := \mathrm{Instantiate}(value, value)$	numerical value zero	root
2	$one := \mathrm{Instantiate}(value, value)$	numerical value one	root
3	$onehalf := \mathrm{Instantiate}(value, value)$	numerical value one half	root