1 Variables

2 root

var symbol documentation type units tokens eqs			vor	symbol			units	tokens	eqs
--	--	--	-----	--------	--	--	-------	--------	-----

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		var symbol		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		var symbol	documentation	type			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

Vē	var	symbol	documentation	type	units	tokens	eqs
----	-----	--------	---------------	------	-------	--------	-----

17 solid-solid

var symbol documentation type units tokens		var symbol	documentation	type			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 control-reactions

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

22 reactions-control

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

23 control-material

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

24 material-control

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

${\bf 25} \quad {\bf control-macroscopic}$

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

26 macroscopic-control

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

27 reactions-material

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

28 material-reactions

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

29 reactions-macroscopic

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

macroscopic-reactions

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

${\bf 31} \quad {\bf material-macroscopic}$

	var	symbol	documentation	type	units	$_{ m tokens}$	eqs
1	a_N	a	link variable a to interface material $\gg >$ macroscopic	get		[]	1

macroscopic-material

	var	symbol	documentation	type	units	tokens	eqs
--	-----	--------	---------------	------	-------	--------	-----

33 Equations

34 Interface Link Equation

no	equation	documentation	layer
1	$a_N := a_N$	interface equation	material -> macro- scopic