1 Variables

2 root

	var	symbol	documentation	type	units	tokens	eqs
8	$F_{N,A}$	F_N_A	fudamental incidence matrix	network		[]	
5	t	t	time	frame	s		
6	t^o	to	starting time	frame	s		4
7	t^e	te	end time	frame	s		5
1	#	value	numerical value	constant			
2	1	one	numerical value one	constant			1
3	0	zero	numerical value zero	constant			2
4	0.5	onehalf	numerical value one half	constant			3

3 physical

	var	symbol	documentation	type	units	tokens	eqs
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4 control

	var	symbol	documentation	type	units	tokens	eqs
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5 reactions

	var	symbol	documentation	type	units	tokens	eqs
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6 material

	var	symbol	documentation	type	units	tokens	eqs
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7 macroscopic

	var	symbol	documentation	type	units	tokens	eqs
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8 solid

	var	symbol	documentation	type	units	tokens	eqs
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9 fluid

var symbol documentation type units tokens		var symbol		type	units	tokens	eqs
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10 liquid

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

11 gas

	var	symbol	documentation	type	units	tokens	eqs
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12 control-control

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

13 gas-liquid

	var	symbol	documentation	type	units	tokens	eqs
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14 gas-gas

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

15 liquid-liquid

	var	symbol	documentation	type	units	tokens	eqs
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16 gas-solid

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

var symbol documentation type units tokens		var symbol	documentation	type			eqs
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18 liquid-solid

	var	symbol	documentation	type	units	tokens	eqs
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19 material-material

	var	symbol	documentation	type	units	tokens	eqs
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20 reactions—reactions

	var	symbol	documentation	type	units	tokens	eqs
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21 control-reactions

	var	symbol	documentation	type	units	tokens	eqs
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22 reactions-control

	var	symbol	documentation	type	units	tokens	eqs
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23 control-material

	var	symbol	documentation	type	units	tokens	eqs
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24 material-control

	var	symbol	documentation	type	units	tokens	eqs
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${\bf 25} \quad {\bf control-macroscopic}$

	var	symbol	documentation	type	units	tokens	eqs
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26 macroscopic-control

	var	symbol	documentation	type	units	tokens	eqs
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27 reactions-material

	var	symbol	documentation	type	units	tokens	eqs
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28 material-reactions

	var	symbol	documentation	type	units	tokens	eqs
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29 reactions-macroscopic

	var	symbol	documentation	type	units	tokens	eqs
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macroscopic-reactions

	var	symbol	documentation	type	units	tokens	eqs
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material-macroscopic

	var	symbol	documentation	type	units	tokens	eqs
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macroscopic-material

	var	symbol	documentation	type	units	tokens	eqs
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33 Equations

34 Generic

no	equation	documentation	layer
1	1 := Instantiate(#, #)	numerical value 1	root
2	0 := Instantiate(#, #)	numerical value zero	root
3	0.5 := Instantiate(#, #)	numerical value one half	root
4	$t^o := \text{Instantiate}(t, \#)$	starting time	root
5	$t^e := \text{Instantiate}(t, \#)$	end time	root