pyCircAdapt Cheat Sheet

VanOsta2023

CircAdapt

```
>>> import circadapt
>>> import circadapt.model
>>> model = circadapt.model.VanOsta2023()
```

Bag

	Unit	Peri
k	-	10.0
p_ref	-	100.0
V_ref	-	0.0

Chamber

	Unit	La	Ra
buckling	-	0	0

Valve2022

	Unit	SyVenRa	RaRv	RvPuArt	PuVenLa	LaLv	LvSyArt
adaptation_A_open_fac	-	1.0	1.1	1.0	1.0	1.1	1.0
A_open	-	0.0	0.0	0.0	0.0	0.0	0.0
A_leak	-	0.0	0.0	0.0	0.0	0.0	0.0
l	-	0.0	0.0	0.0	0.0	0.0	0.0
papillary_muscles	-	0	1	0	0	1	0
_slope	-	100.0	100.0	100.0	100.0	100.0	100.0
_min	-	0.1	0.1	0.1	0.1	0.1	0.1
_A_open_fac	-	0.1	0.1	0.1	0.1	0.1	0.1
soft_closure	-	1	1	1	1	1	1
fraction_A_open_Aext	-	0.9	0.9	0.9	0.9	0.9	0.9

Pressure Flow Control

	Unit	PFC
p0	-	12200.0
q0	-	0.0
stable_threshold	-	0.0
is_active	-	1

ArtVen

	Unit	CiSy	CiPu
p0	-	6342.1	950.0
q0	-	0.0	0.0
k	-	1.0	1.7

Patch2022

	Unit	pLa0	pRa0	pLv0	pSv0	pRv0
Am_ref	-	0.0	0.0	0.0	0.0	0.0
V_wall	-	0.0	0.0	0.0	0.0	0.0
v_max	-	14.0	14.0	7.0	7.0	7.0
l_se	-	0.0	0.0	0.0	0.0	0.0
l_s0	-	1.8	1.8	1.8	1.8	1.8
l_s_ref	-	2.0	2.0	2.0	2.0	2.0
dl_s_pas	-	0.6	0.6	0.6	0.6	0.6
Sf_pas	kPa	0.0	0.0	0.6	0.6	0.6
tr	-	0.4	0.4	0.2	0.2	0.2
td	-	0.4	0.4	0.2	0.2	0.2
time_act	-	0.1	0.1	0.4	0.4	0.4
Sf_act	kPa	80.0	80.0	120.0	120.0	120.0
k1	-	10.0	10.0	10.0	10.0	10.0
dt	-	0.0	0.0	0.0	0.0	0.0
C_rest	-	0.0	0.0	0.0	0.0	0.0
l_si0	-	1.5	1.5	1.5	1.5	1.5
LDAD	-	1.1	1.1	0.6	0.6	0.6
ADO	-	0.7	0.7	0.8	0.8	0.8
LDCC	-	4.0	4.0	3.2	3.2	3.2
SfPasMaxT	kPa	6.4	6.4	6.6	6.6	6.6
SfPasActT	kPa	4.8	4.8	6.6	6.6	6.6
FacSfActT	-	0.4	0.4	0.6	0.6	0.6
LsPasActT	-	3.0	3.0	2.2	2.2	2.2
adapt_gamma	-	0.5	0.5	0.5	0.5	0.5