# Basic tests using abm\_regular() and abm\_variable()

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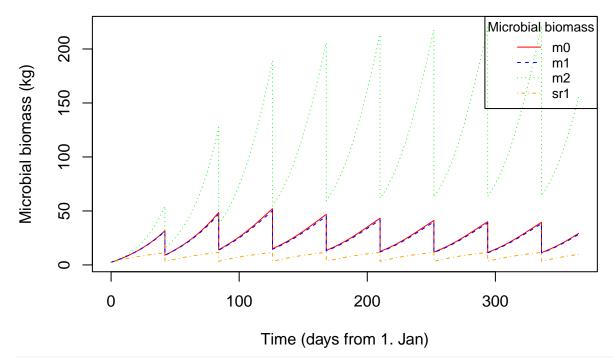
### Overview

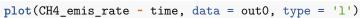
Objective is to test relatively basic operation of the abm() functions during simplification.

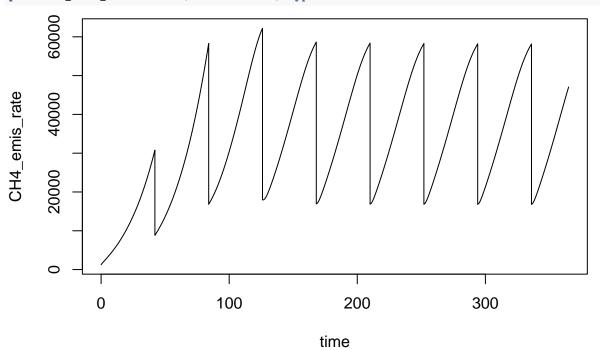
### Prep

```
devtools::load_all()
## i Loading ABM
```

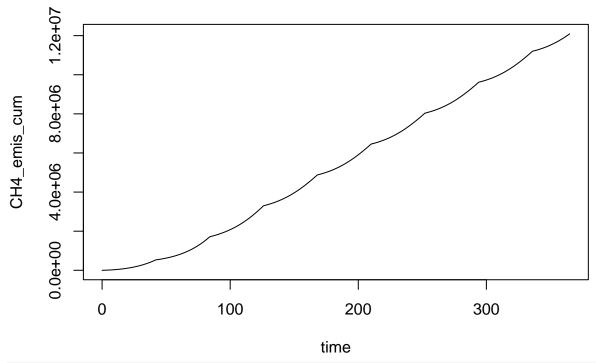
## Case 1, defaults

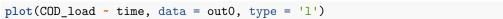


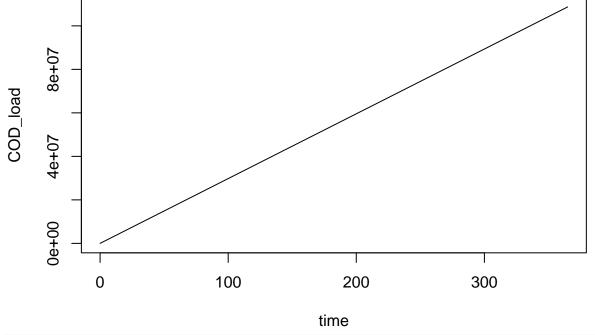




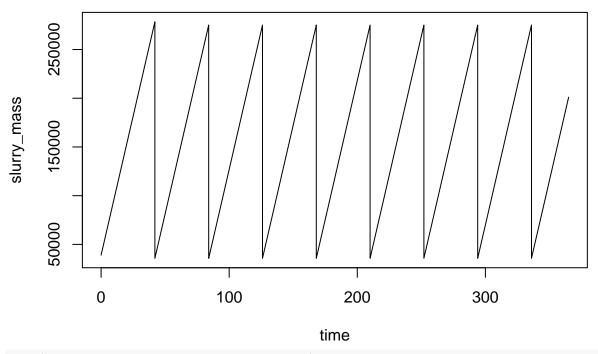
plot(CH4\_emis\_cum ~ time, data = out0, type = 'l')



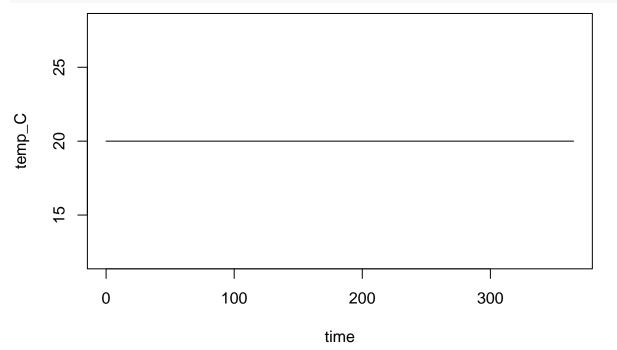




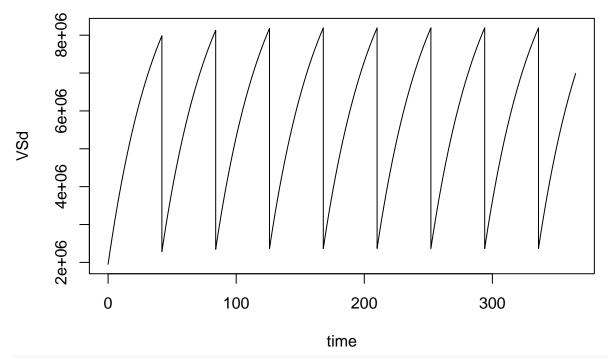
plot(slurry\_mass ~ time, data = out0, type = '1')



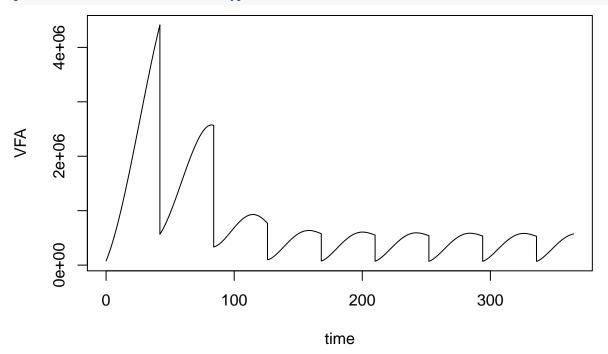




plot(VSd ~ time, data = out0, type = '1')



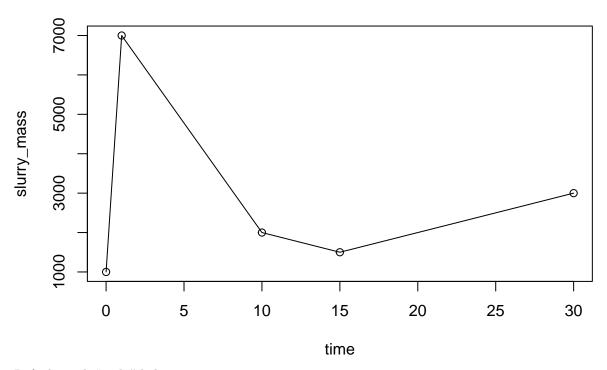
plot(VFA ~ time, data = out0, type = '1')



Slurry mass data.

```
slurry_mass_dat \leftarrow data.frame(time = c(0, 1, 10, 15, 30), slurry_mass = c(1000, 7000, 2000, 1500, 3000)

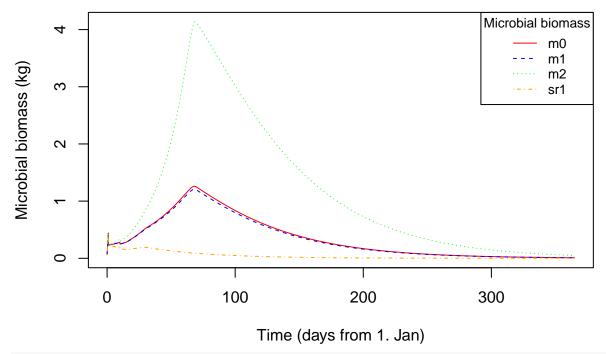
plot(slurry_mass \leftarrow time, data = slurry_mass_dat, type = 'o')
```

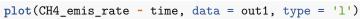


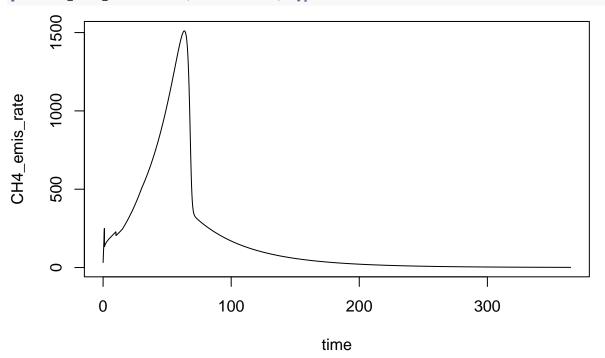
Default, with "early" behavior.

```
devtools::load_all()
```

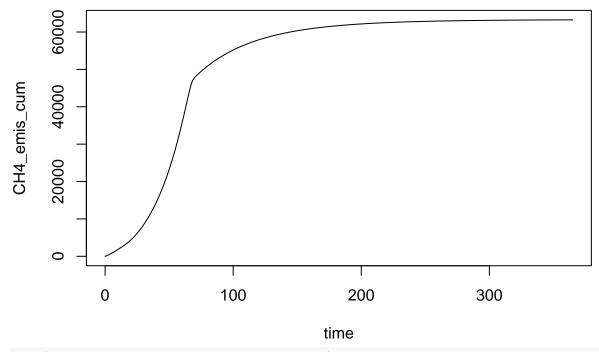
#### ## i Loading ABM



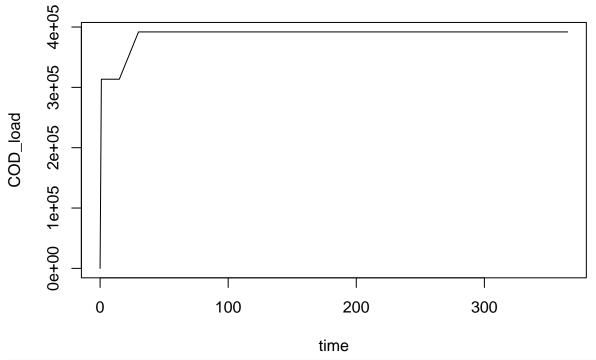




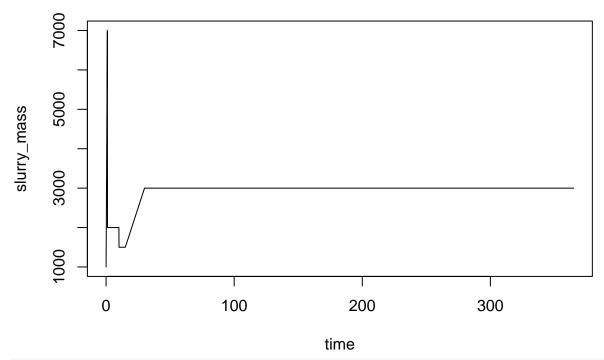
plot(CH4\_emis\_cum ~ time, data = out1, type = '1')



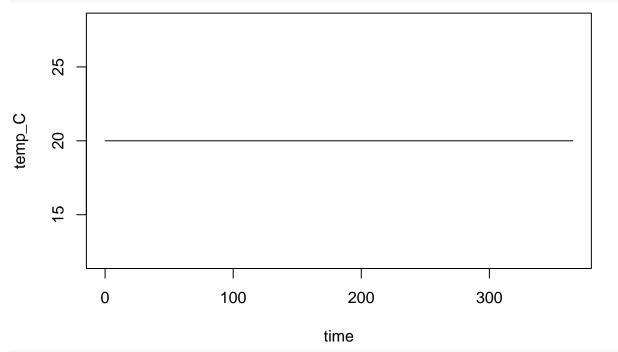
plot(COD\_load ~ time, data = out1, type = '1')



plot(slurry\_mass ~ time, data = out1, type = '1')







plot(VSd ~ time, data = out1, type = 'l')

