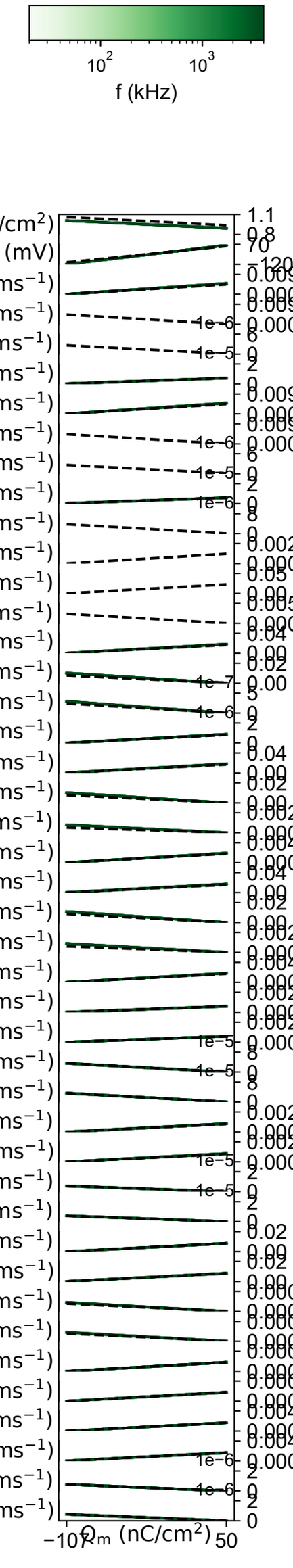realneuron neuron: f
modulated effective variables