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Georg Hetzer* (hetzege@auburn.edu). *Trajectory Attractor for an Energy Balance Climate Model.*

Energy balance climate models lead to reaction-diffusion equations with set-valued right hand side, memory terms, and nonlocal operators. An important feature is the so-called bio-feedback, which will be introduced by an example. Then the existence and regularity of global mild solutions and the existence of a trajectory attractor will be discussed in a general setting. (Received September 17, 2021)