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Transition dynamics of generalized multiple epileptic seizures associated with thalamic reticular nucleus excitability: A computational study

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Highlights

- We improve a computational framework of thalamocortical circuits.
- We investigate the relationship between thalamic reticular nucleus (RE) excitability and epilepsy.
- We find that different seizures can be formed as the RE excitability is changed.
- Bifurcation mechanism of dynamical transition of different seizures is analyzed.

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