Dynamics of ecological system at the approaching to complete closure

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The closure of mass turnover is a property providing the existence of organism community as an entire system. The intensity of interrelations among organisms strongly correlated with the level of closure. Mathematical structures of models describing partially and completely closed ecological systems (CES) are qualitatively different. It means principal possibility of gradual closing of ecological system in the course of technological or natural processes is under the question. The paper is devoted to the investigation of the behavior of CES in the neighborhoods of complete closure. Different variants of exchange flow configuration between CES and its environment are considered. In the paper parametrical spaces of different mathematical models of closed ecological systems (CES) are presented and discussed. It is shown dynamics properties of CES when approaching essentially depend upon the exchange flow configuration. In principal knowledge of the configuration allows making adequate prediction of CES dynamics.