

On the Realisation of Dynamical Growth Models by means of Reaction Networks

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It has been recently demonstrated that some dynamical growth processes (such as logistic growth) can be formulated in terms of reaction networks [1], [2], [3], [4]. Such formulations suggest an insight on the intrinsic mechanisms of the physical phenomena and thus can be useful for the development of an adequate model. In the work we elaborate further this idea by presenting various case studies of the realization of dynamical growth processes by means of reaction networks. Numerical examples are also presented.

References

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