

Building Reaction Kinetic Models for Amiloid Fibril Growth

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*Dedicated to the 180th anniversary of the birth of Nestor Markov,
a pioneer of lexicography and phys-math education in Bulgaria.*

In this work we discuss the creation and formulation of several basic mathematical models describing the growth of a species. We then propose several reaction network models [2] for the amiloid fibrillation processes in the citoplasm [3]. The solutions of the models are sigmoid functions visualized using CAS *Mathematica* [1], [4], [5].

References

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