ON STEADY-STATE SOLUTIONS OF A 1-D CHEMOTAXIS MODEL WITH VOLUME-FILLING EFFECT

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Abstract
In this paper, we will consider the set of steady-state solutions for a 1-D chemotaxis model, which was introduced in [1, 2]. More precisely, we will classify the existence or nonexistence of steady-state solution, and if exist, the number of steady-state solutions based on the spatial average and the length of the interval.

References