

Recent results of Piotr Biler on the Keller-Segel model of chemotaxis

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Abstract

Recent results of Piotr and his collaborators on the parabolic-elliptic model of chemotaxis in the whole space will be presented. Here, global-in-time solutions are constructed under (nearly) optimal assumptions on the size of radial initial data. Moreover, criteria for blowup of solutions in terms of their local concentrations will be derived.

References

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- [3] PIOTR BILER, GRZEGORZ KARCH & JACEK ZIENKIEWICZ, *Large global-in-time solutions to a nonlocal model of chemotaxis*, (2017), arXiv:1705.03310.
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