

Nonlocal movement

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This talk discusses the importance of nonlocal modeling of some biological phenomena. Nonlocal models and applications in description of movement of cells as well as the invasion of cancer cells into surrounding tissue will be presented.

References

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- [2] Z. Szymańska, M. Lachowicz, N. Sfakianakis, M.A.J. Chaplain, *Mathematical modelling of cancer invasion: Phenotypic transitioning provides insight into multifocal foci formation*, *J. Computat. Science*, 75, 102175, 2024.
- [3] M. Lachowicz, M. Matusik, K.A. Topolski, *Asymptotic equivalence of nonlocal and local models of cell movement*, to appear.

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