

# Symmetries and special solutions of a parabolic chemotaxis system

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April 28, 2020

## Abstract

In this paper we consider a class of chemotaxis models with two arbitrary constitutive functions  $g(u)$  and  $f(v)$ . After having performed a complete symmetry group classification with respect to them the reduced systems are derived. By considering  $g(u)$  of the logistic form wide classes of exact solutions are found.

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