

## Mathematical Analysis for multilayer models of phytoplankton

Khalil Ezzinbi<sup>1</sup> .

This work is devoted to study a multilayer model for phytoplankton. The model is represented by a nonlinear partial differential equation with diffusion and transport. Using an approximation approach, we prove that in each layer the model is well posed and the solutions define a strongly continuous semigroup on  $L^2$  space.

### References

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<sup>1</sup>Faculté des Sciences Semlalia Département de Mathématiques, BP 2390, Marrakesh, Morocco (e-mail: ezzinbi@ucam.ac.ma).