

The MOLE library in a free boundary problem in the treatment of myocardium with stem cells.

Speaker:

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Abstract:

In mesenchymal stem cell therapy after a myocardial infarction, it is necessary to predict the regeneration process, which generates a mathematical problem where some section of the boundary, the one close to the infarcted area, behaves freely; consequently, a code is built, which uses some programs from the MOLE library in order to obtain a description of the restoration process of the affected part.