



$\Phi' = -\frac{c}{D_u} \Phi + \frac{\chi_u \delta_v}{c D_u} \Phi M V + \frac{\chi_u \delta_v}{c D_u} \Phi U V + \frac{\chi_u \delta_v^2}{c^2 D_u} U V M^2 - \frac{\mu_u}{D_u} U (1 - U - V)$

Mathematical modelling of cellular biosystems

13-15 March 2008, Warsaw, ICM

This workshop is devoted to mathematical modelling of the transport processes and regulatory feedbacks in multicellular systems, particularly their stochastic and spatial aspects. Recent results and theoretical methods from nonlinear dynamics and stochastic processes will be discussed in the context of applications to the study of the collective properties of biological systems.

Main topics

- Stochastic modelling in biology
- Modelling of intra-cellular signalling pathways
- Diffusion and transport processes in cell systems

Organizers:

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Location:

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<http://gc.icm.edu.pl/mmocb/>