

BioN report: modular course “Background techniques for neurophysics: dynamical system theory, statistical physics, wavelet analysis”, September, 14-17, 2011, Ioffe' PTI, SPbU, Saint-Petersburg, Russia.

Modular course “Background techniques for neurophysics: dynamical system theory, statistical physics, wavelet analysis” was adopted mainly for physics and mathematics, who's researches are in the area of neuromodeling and data processing, so sometimes it was hard to understand lectures. But speakers of the course объяснили material in good and well-understandable manner, so mathematical level of biologist without advanced math or physic education was quite enough to understand most part of information.

The course contains three topics: dynamical system theory, statistical physics and wavelet analysis. For electrophysiologist, first two topics was more hard, because in our education plan similar problems are studied at 2-3 year, and than used by only few researchers in their own work. But all presentations of speakers was well-illustrated, so it was very interesting. Because of it's often using in electrophysiology data processing, wavelet analysis was the most useful for me now, but I think, all .

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Alexey Pospelov, PhD student  
Lomonosov Moscow State University,  
Faculty of Biology,  
Russia, Moscow, 1-12 Leninskie Gory