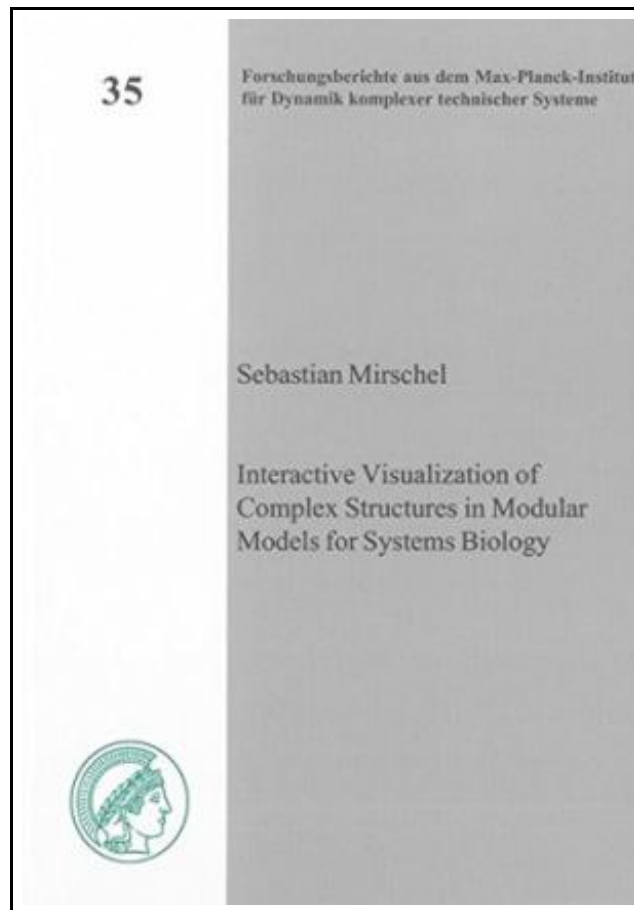


Interactive Visualization of Complex Structures in Modular Models for Systems Biology



Filesize: 8.09 MB

Reviews

It is straightforward in go through easier to recognize. I actually have study and that i am sure that i will going to study yet again again down the road. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Jaclyn Johns DDS)

INTERACTIVE VISUALIZATION OF COMPLEX STRUCTURES IN MODULAR MODELS FOR SYSTEMS BIOLOGY

[DOWNLOAD](#)

To get **Interactive Visualization of Complex Structures in Modular Models for Systems Biology** PDF, remember to access the web link under and download the document or gain access to other information which are in conjunction with INTERACTIVE VISUALIZATION OF COMPLEX STRUCTURES IN MODULAR MODELS FOR SYSTEMS BIOLOGY ebook.

Shaker Verlag Sep 2012, 2012. Buch. Book Condition: Neu. 208x146x17 mm. Neuware - In recent years, the modeling of reaction systems has tended to become more complex. Especially in systems biology researchers are faced with network models growing in size, complexity and scope that become hard to understand and navigate. The hierarchical and modular decomposition of such models (which results in modular models) and their consequent visualization can help to manage and understand them. In particular, visual representations allow researchers to access, integrate and analyze complex biochemical information, and thus support the process of decision making. This thesis exploits existing and contributes novel visualization and exploration techniques that can be used to support the modeling process of intracellular signaling systems. As stated in the following, several aspects are discussed. In close cooperation with modelers, formalized visual representations for dynamic and logical models have been specified. For each modeling approach a symbol set and specific visualization rules are provided. They are applied to the modular and hierarchical structures of complex signaling models and aimed at visualizing them in a biologically intuitive manner, but also at maintaining their systematic approach. For convenient use, not only a visual representation of the model is crucial; a graphical network needs to be combined with exploration techniques. Hence, a zoomable visual interface for modular models has been developed to support highly interactive tasks such as navigation through complex structures and exploratory analysis. Hereby, interactive techniques, semantic zooming as well as content-aware navigation are used and combined in order to integrate focus and contextual information, and efficiently navigate and explore the modular model. Although formalized representations are necessary, they are not always the best way to graphically depict knowledge. In many cases, visual representations have to be tailored to a specific modeling task,...



[Read Interactive Visualization of Complex Structures in Modular Models for Systems Biology Online](#)



[Download PDF Interactive Visualization of Complex Structures in Modular Models for Systems Biology](#)

See Also



[PDF] Programming in D

Click the link listed below to download "Programming in D" PDF document.

[Read Document »](#)



[PDF] Psychologisches Testverfahren

Click the link listed below to download "Psychologisches Testverfahren" PDF document.

[Read Document »](#)



[PDF] The Java Tutorial (3rd Edition)

Click the link listed below to download "The Java Tutorial (3rd Edition)" PDF document.

[Read Document »](#)



[PDF] Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged)

Click the link listed below to download "Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged)" PDF document.

[Read Document »](#)



[PDF] Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone)

Click the link listed below to download "Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone)" PDF document.

[Read Document »](#)



[PDF] Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Click the link listed below to download "Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age" PDF document.

[Read Document »](#)