

# Physarum Machines: Selected Works

By **Dr. Andrew Adamatzky**

Physarum Machines: Selected Works is a collection of essays and artworks by the artist and researcher Dr. Andrew Adamatzky. The book explores the potential of slime mold as a model for computation and self-organization.



## Physarum Machines. Selected Works by Lonely Planet

★ ★ ★ ★ ☆ 4.6 out of 5  
Language : English  
File size : 28318 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 473 pages



Slime mold is a single-celled organism that has been shown to exhibit a remarkable ability to solve complex problems. For example, slime mold has been shown to be able to find the shortest path between two points, and to create networks that are optimized for efficiency.

Dr. Adamatzky's work with slime mold has led him to develop a new type of computer, called a Physarum machine. Physarum machines are made from slime mold and are able to perform computations by growing and shrinking their bodies. This type of computation is called "morphological computing."

Morphological computing is a new and promising field of research. It has the potential to lead to the development of new types of computers that are

more efficient and more powerful than traditional computers.

In addition to his work on Physarum machines, Dr. Adamatzky is also a pioneer in the field of bioart. Bioart is a type of art that uses living organisms as materials. Dr. Adamatzky's bioartworks often explore the relationship between science and art.

Physarum Machines: Selected Works is a fascinating and thought-provoking book that offers a glimpse into the future of computation and self-organization. Dr. Adamatzky's work is inspiring and challenges us to think about the potential of living organisms to solve complex problems.

## **Selected Works**

The following is a selection of Dr. Adamatzky's works that are featured in Physarum Machines: Selected Works:

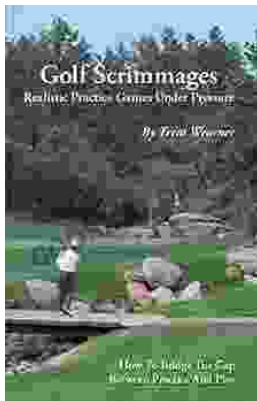
- Slime Mold Computers
- Slime Mold Networks
- Slime Mold Art

Physarum Machines: Selected Works is a must-read for anyone interested in the future of computation and self-organization. Dr. Adamatzky's work is groundbreaking and offers a new way of thinking about the potential of living organisms.

If you are interested in learning more about Dr. Adamatzky's work, I encourage you to visit his website at [www.adamatzky.com](http://www.adamatzky.com).



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