

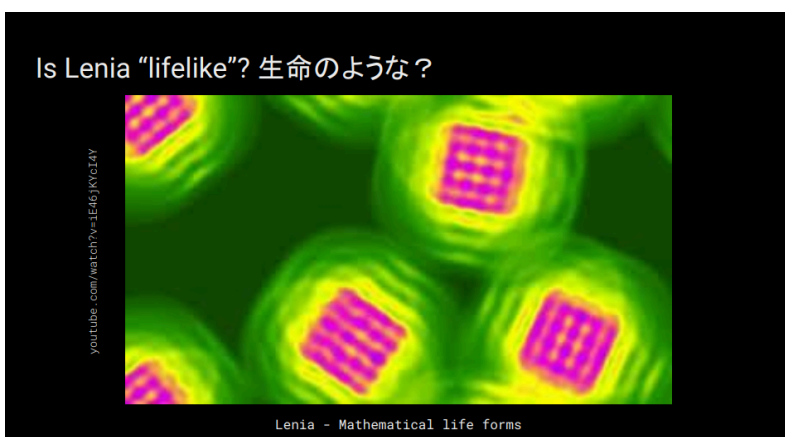
サイエンスダイアログ

一高では、11月24日にサイエンスダイアログが行われた。
講師として東京大学で研究しているMichael Crosscombeさんをお招きし、本校探究科1,2年生が Collective Intelligence and Artificial Life(人工生命)について学びを深めた。普段聞くことができない人工生命についてその研究内容をお話いただき貴重な機会を得ることができた。

On 24 November

A science dialogue was held at Ichiko High School.

The lecturer was Dr Michael Crosscombe, a researcher at the University of Tokyo, and the first- and second-year research course students learned more about Collective Intelligence and Artificial Life. It was a valuable opportunity for the students to hear about his research on artificial life, which they would not normally have the chance to hear about. (2-6植松)



Kilobot experiments

We study the models on a swarm of **400 Kilobots** moving randomly within a 1.2 m² arena.

We use a simulation environment called Kilobox (Jones et al. 2016) developed at the Bristol robotics lab.

We study various communication radii $r \in [0, 20]$ cm
Where the Kilobots' maximum radius is 10 cm.

Each time step is roughly ¼ s in embodied experiments. So 1000 time steps = 4 mins.

