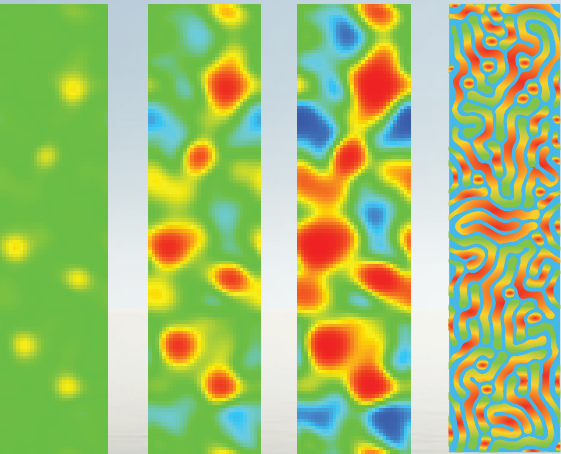


PRISMATIC STREAMS

Lush, vibrant swaths of color, as if extracted from fields of flowers. Majestic pillars that loom over the terrain like noble sequoias. From afar, *Prismatic Streams* appears to be an expressionist painting framed by the California sunset, but closer inspection reveals the installation serves as a tremendous energy hub, generating biofuel and drinkable water for the Santa Monica community.

Visitors to *Prismatic Streams* wend their way through the installation on grassy paths that run alongside the streaks of color, which in fact are cultivation ponds for algae that will later be harvested to create biofuel. Meanwhile, spiral staircases encircle lofty solar still towers, offering breathtaking views of the vivid design created by the ponds below.

Prismatic Streams enhances the surrounding environment without sacrificing the allure of existing structures. The rainbow hues of the ponds echo the bright colors of the Ferris wheel and other amusement park rides on Santa Monica Pier. At night, the towers are illuminated with low-energy LEDs. The entire installation also functions as an outdoor arena for enjoying concerts, dance showcases, and other performances—the perfect ending to a Sunday afternoon at the beach.



REACTION-DIFFUSION SYSTEM

Layout of algae ponds and solar still towers is generated by Gray-Scott model of reaction-diffusion systems, using six initial points.

