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Contemporary Arts Practice and Outer Space: A Multi-Disciplinary Approach (3)

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COLLABORATIVE DESIGN THROUGH PHYSICS AND ARCHITECTURE - A GARDEN FOR  
SHARING THE PLEASURE OF LIFE WITHIN THE UNIVERSE

**Abstract**

Throughout history, human beings across the world lived with gardens in different ways upon their environmental and cultural factors. For instance, Japanese gardens poetically transform the essence of the universe embracing humans as a part of nature. After the societal and institutional changes over the last couple of years, following the 'garden' project that was originally started in 2018 to renovate a space at IdeaSquare, an innovation platform at CERN (Conseil Européen pour la Recherche Nucléaire), the authors design the space of the site from scratch. With an aim of creating a new type of garden that touches the essence of the universe and physics, we propose this question - how can we share the pleasure of life within the universe? It is an open-ended question for re-designing the physical relationships between humans and the universe, of which we are normally unaware in our everyday life. Believing that a garden can open up the freedom of human minds, we consider a garden as a place where humans can exist freely there for any purpose. Most importantly, we envision enhancing visitors to share where they find delight and hope through physically experiencing the space and time in this garden. Deep pleasure can be aesthetically found when other's pleasure becomes our own, and vice versa. Based on these concepts, an artist, an architect, an experimental physicist, and the master students of environmental design, ideate the design as an interdisciplinary collaborative project. This ideation process among these collaborators focused on long-term discussions over a half year through the topics on basic physics and cosmology as well as an identity of the site. With insights from spacetime and gravity in particular, the idea was

elaborated into the architectural design with the notion of landscape design. This paper discusses this project's background, concepts, design, processes, and results.