



# Avant-Garde

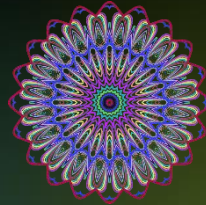


## Key features



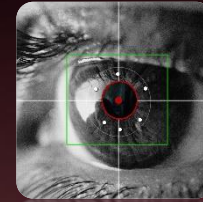
### Drawing mechanism

- Carefully crafted system for creating precise, curved lines utilising eye-tracking
- Watch your design come to life with animated playbacks of mandala creation



### High degree of customization

- Pick from 115+ colours, and save your favourite colour combinations
- Multiple brush types and flexible drawing attributes



### Hands-free UI

- Intuitive UI designed and tested utilising Eye-tracking devices
- Easily switch between viewing and drawing modes

## Key Requirements

- Intuitive Drawing Mechanism
- Eyes-First Design UI
- Straightforward Toolbox
- Accessible Colour Management System
- Editable Brush and Mandala Attributes
- File IO Management System
- Tutorial

## Abstract

*Avant-Garde is a hands-free painting application that enables users to create free compositions or mandalas, utilising eye-tracking technology as the unique source of input. It aims to open new creative channels through uplifting, visual experiences for users with limited movement, such as patients of motor-neuron diseases. Implementing an intuitive drawing mechanism and a UI carefully tailored for eye-tracking, Avant-Garde allows for the smooth creation of designs that are intricate and exciting.*



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