

# Color Perception CIE Chromaticity

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## **Abstract**

Models of human color vision.

## **1 Introduction**

This report presents computational analysis of color perception.

## 2 Mathematical Framework

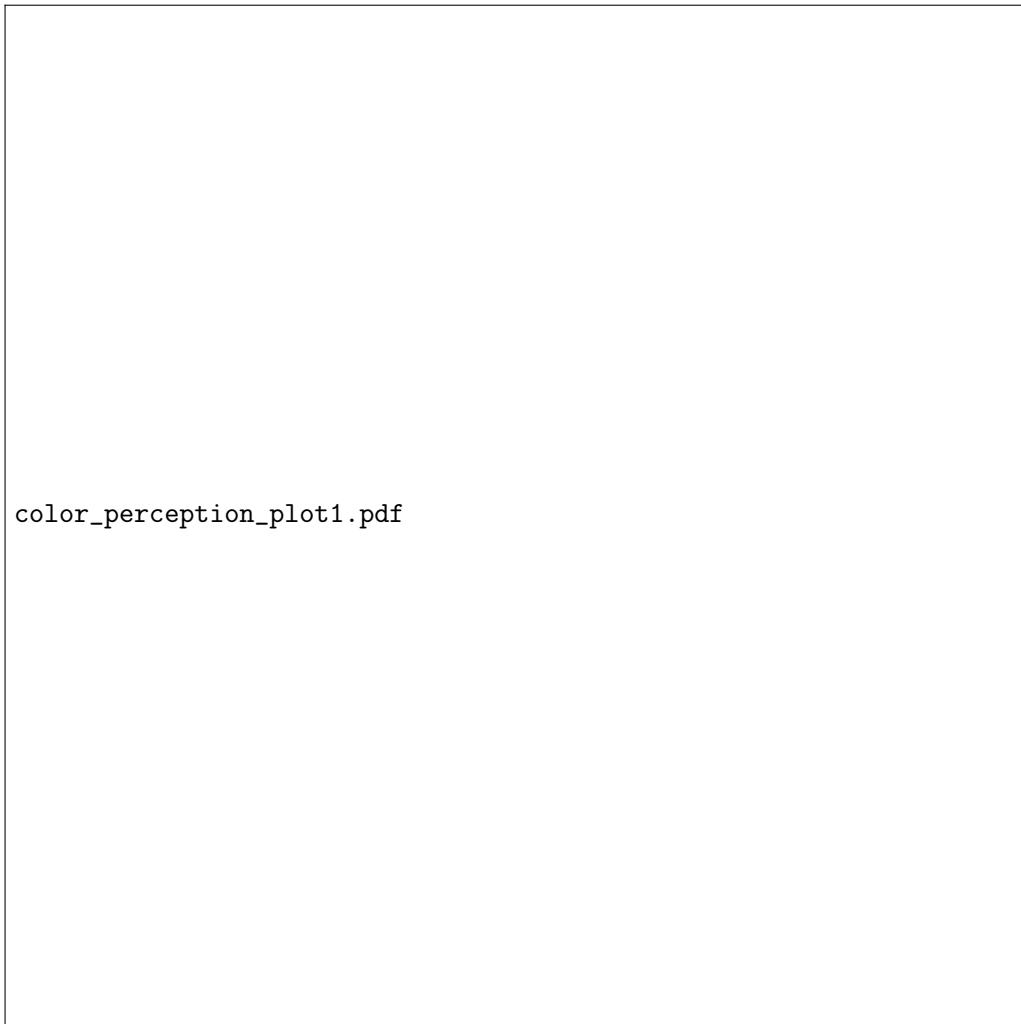


Figure 1: Primary analysis results.

### 3 Secondary Analysis

color\_perception\_plot2.pdf

Figure 2: Secondary analysis comparison.

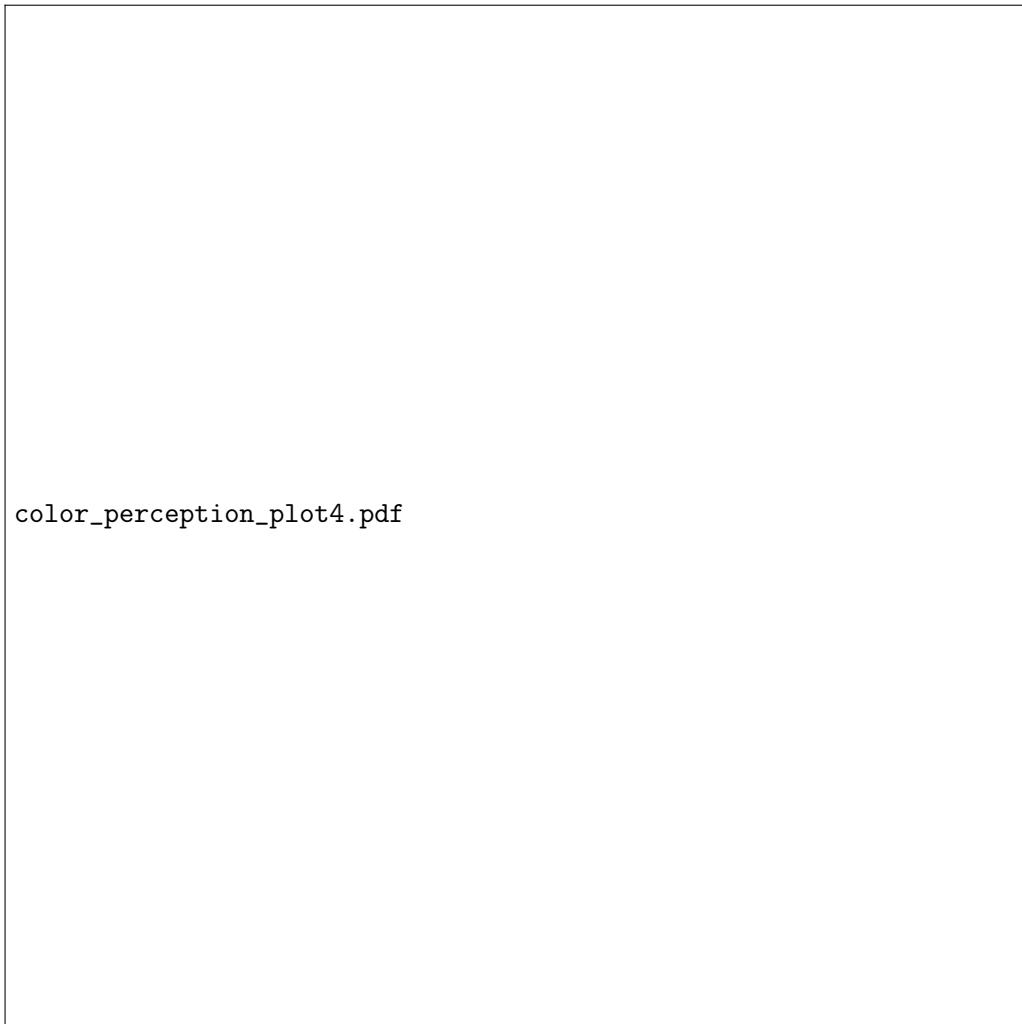
## 4 Parameter Study



color\_perception\_plot3.pdf

Figure 3: Parameter sensitivity analysis.

## 5 2D Visualization



color\_perception\_plot4.pdf

Figure 4: Two-dimensional field visualization.

## 6 Distribution Analysis

color\_perception\_plot5.pdf

Figure 5: Statistical distribution analysis.

## 7 Time Series

color\_perception\_plot6.pdf

Figure 6: Time series visualization.

## 8 Results Summary

## 9 Conclusions

This analysis demonstrates the computational approach to color perception.