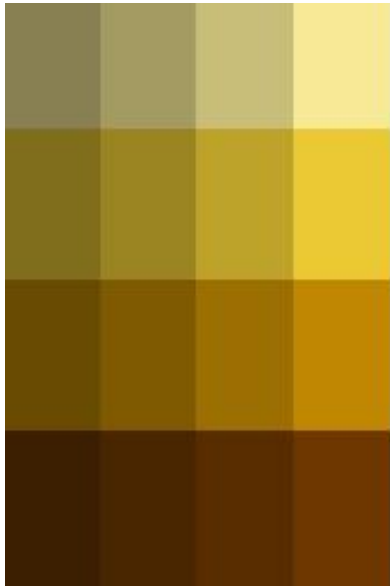


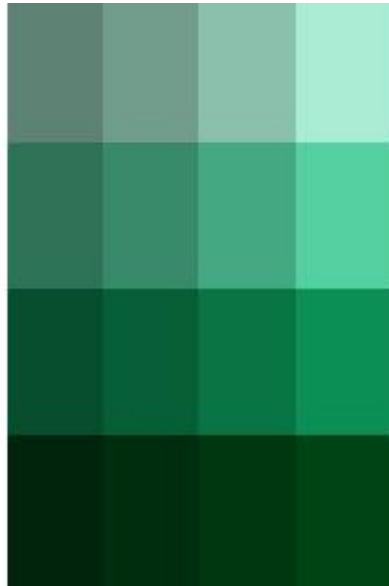
**International Commission on Illumination (CIE)  
11th Biennial Joint CIE/USNC and CNC/CIE  
Technical Conference 3 October 2017**

The Significance of Metameric Shifts in  
Light Source Color Rendering

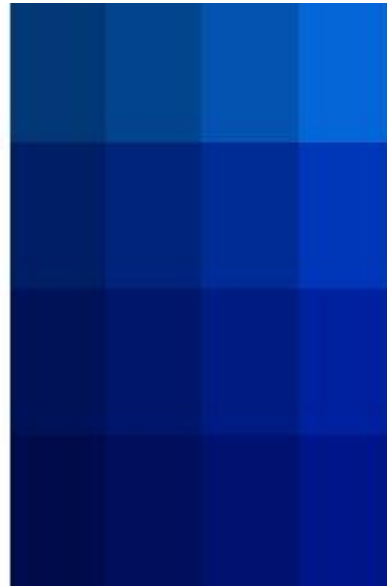
Lorne Whitehead, University of British Columbia



potassium  
perchlorate



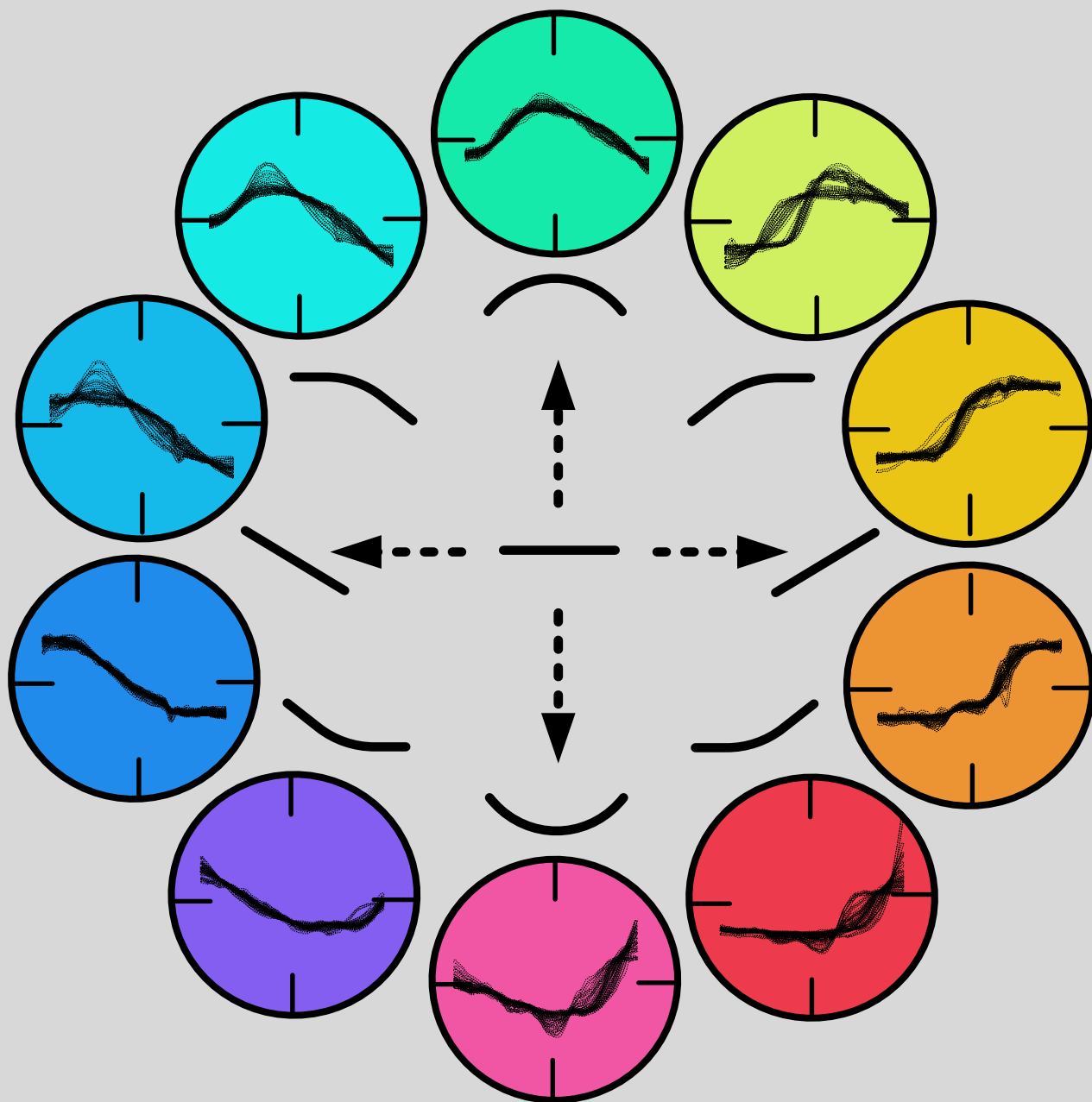
nickel  
manganate



cobalt  
chloride



potassium  
permanganate



$$R_{\text{fit}}(\lambda) = r + s(\lambda - \lambda_c) - \frac{1}{2}c(\lambda - \lambda_c)^2$$

$$\theta_{\text{math}} = \theta_0 + \text{atan2}(s\lambda_m, c\lambda_m^2)$$

