



DR. J. RICHARD ASPLAND

Prof. of Textile Chemistry

School of Materials Science & Engineering
Clemson University

Areas of Interest

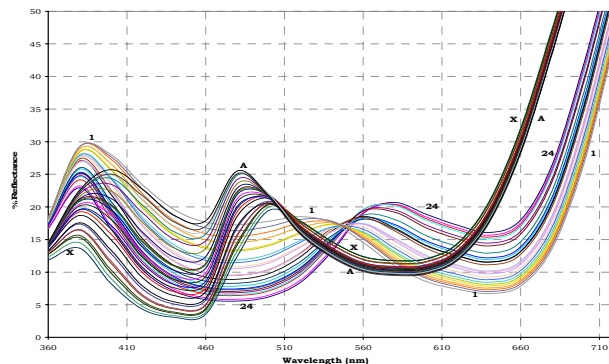
- Dyes and Pigments (Natural and Synthetic)
- Coloration (Science & Technology)
- Color Quality Control
- Color Physics
- Early Indigo Culture in South Carolina

Gretag Macbeth: “Color i 5” reflectance spectrophotometer and dedicated software



Match Prediction, Color Correction, Shade Sorting,
Relative Apparent Color Strength, Whiteness Indexes

Reflectance of Two Series of 24 Dyed Samples
Each (A-X; 1-24) for a Novel Color Vision Test



- With different observers, one light source: each observer may see a different alpha-numeric pair of samples as a close match;
- With different light sources: any one observer will see a different alpha-numeric pair of closely matching samples for each light source.

Current Research Areas

- Color Difference Arithmetics
- Color Throughout the Supply Chain
- Color Vision Testing
- Spectroradiometry of Light Sources
- Color in 18th Century Charleston, S. C.

