特集：皮膚の物性の測定

皮 膚 色 の 分 光 測 定

森 瑛二郎*

Spectrophotometric Colorimetry of Human Skin

Eijiro Mori*

Abstract

This paper describes the function of high speed spectrophotometer and "edge effect".

1) The CMS-1200 type measures easily and fast humanskin color for spectral distribution and color data.
   The CMS-1200 type measures human skin color in two seconds and calculates spectral distribution, color coordinates and color differences in about seven seconds.
   Calculated results are recorded by plotter and printer.
   The Flexible Sensor Head which is composed of optical glass fiber moves flexibly and prevents specimen from heat of it's light source.
2) The edge effect by two color strata has to be paid attention when the color of human skin is measured.
   The human skin is translucent, so that the edge effect is caused by the difference between the outer skin color and the inner skin color. When measuring the human skin color without attending to the edge effect, the result shows less red and darker than the true skin color.