

عنوان مقاله:

Specular Gloss: A study on instrumental and visual quantification at three illumination/observation geometries

محل انتشار:

ششمین کنگره بین المللی رنگ و پوشش (سال: 1394)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

In the present study, attempts were made to find the correlation between visually perceived and instrumentally measured specular gloss of a series of black samples. To this end, a black physical scale of specular gloss was prepared using a lithographically printed black paper. The samples were visually evaluated by a panel of 14 observers, by utilizing an also prepared color constant lightness scale, in an especially designed unidirectional illumination cabinet at the 20°, the 60° and the 85° illumination/observation geometries. Analyzing the correlation between visually perceived and instrumentally measured specular gloss showed that the 60° geometry is efficiently capable of quantifying specular gloss in a manner that human observer perceives.

کلمات کلیدی:

Specular gloss – Glossmeter - Visual perception - Unidirectional illumination

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