

Title (en)
TECHNIQUE FOR COLOR PROFILING OF A DISPLAY DEVICE

Title (de)
TECHNIK ZUR FARBPROFILIERUNG EINER ANZEIGEVORRICHTUNG

Title (fr)
TECHNIQUE DE PROFILAGE DE COULEUR D'UN DISPOSITIF D'AFFICHAGE

Publication
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Application
EP 16001812 A 20160817

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Abstract (en)
A method for color profiling of a display device is described. The method comprises applying a plurality of digital color values to the display device, wherein the digital color values are located in a high saturation region of an input color space, and measuring a plurality of physical color values output by the display device, the physical color values being associated with the applied digital color values. The method further comprises generating color profile data for the display device by determining a mapping of digital color values of the full input color space to physical color values output by the display device, based on the measured physical color values and based on a core mapping. The core mapping is a mapping of digital color values of a low saturation region of the input color space to physical color values output by a reference display device and the low saturation region comprises low saturation digital color values that are not comprised by the high saturation region. Further, a computer program product and a device for color profiling of a display device are described.

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