Achieving television image quality through color correction

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Abstract
the multiple lighting sources and diversity of forms and its size overlap in spectral properties is adversely affects the television image quality, sometime director of photography need to make special color effects might not be able to do it during shooting phase . When color correction and color correction programs appear Which has made a development in the field of television image Also Color correction programs are able to make adjustments and changes in the image that will improve the technical level of the final picture. The color correction now we can call it a tool added to the director of photography within its multiple tools where it can be through the exploitation of all those tools, which are represented in modern cameras and advanced equipment in addition to applications of color modification to become artistic creativity is the basic language of the director of photography, which can access the best quality of the digital image animation. Objectives: Upgrading the professional level of the directors of photography, overcome the problems caused by shooting errors that are difficult to control during the shooting process Which was the result of technological progress in the field of digital image production. Methodology: The descriptive approach will be used by learning how to read digital animation through color correction programs and how we can adjust the color values through those programs, specifically Da Vinci program, which is one of the most prominent programs for color correction at the present time. The pilot curriculum will also be used , Through two experiments that expose them to the most important lighting problems Resulting from the overlap of spectral properties due to the multiplicity of lighting sources and how the DaVinci program can control these problems and output them in the best picture and high quality. Results: The spectral properties of lighting sources are things that can not be controlled with extreme accuracy because they are based on spatial and temporal parameters that may affect the change of their properties even if they may be minor during the imaging phase. Color correction programs have made a big leap in the field of television image, which has been reflected in a large extent on the quality of the television image in general, where color correction programs gave a lot of artistic creativity for the director of photography and meet the requirements easier than the past. Color correction programs can work on all the effects, changes and color adjustments on the TV image provided that the image contains the minimum color details, both in high light areas or low light areas, on the scale Vectroscope. Color adjustments are an original right for the Director of Photography where he can achieve his artistic vision. The color correction is an extension of the type and quality of lighting used by the Director of Photography.

Keywords:
Television Image, Image Quality, Color Correction

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