Rationing multi-shot techniques to maximizing depth of field

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Abstract:
The depth of the field is an important element for the formulation of the visual message; it defines the relationship between the center of attention and the surrounding elements, affecting how the image is perceived, and thus its ability to tell and express. Despite this vital rule of depth of field in image designing, the photographer loses full control of it, especially in those cases that require maximizing it, especially when shooting close up. The lack of depth of the field is overcome by photographing graduates focus series of images, then stacking them to extend the depth of. The study examined the production of the series of shots through the lens of selection and the methods of focusing and capture, and then the processing stage to produce the final image. Objective: The research aims to standardize the Focus stacking technique to maximize the depth of field in the photograph, especially when shooting close up.

Methodology: The researchers followed the descriptive method to describing the production systems and the techniques used to maximize the depth of the field in the photograph using a graduated focus series of stills. Results: By studying the elements of image production using focus stacking method, the depth of field can be maximized and the true depth of sharpness is produced without the use of factors that influence the design and quality of the image.

Future Directions: • The need to study how to produce focus stacking technique with fast motion objects. • The need to adding focus stacking technique control in camera firmware • The need to design more sophisticated devices to produce focus stacking technique.

Keywords:
Multi-Shot Techniques, Depth Of Field, Photograph

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