

Optical films for separating multi-visuals

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In these days, many researchers have studied the relation between structures and optical properties. For example, the beautiful color of the morpho butterfly's wings can be realized by imitating the hierarchical structures of nano- and microstructures the wings. Also anti-reflection have studied by creating the nanostructures. Although structures have relevance to optical properties, there are few studies to utilize the asymmetric structure for optical application. In this presentation, we propose the attempt to use asymmetric structure for optical application. We used asymmetric prism or pyramid structure for a directional front guide of multi-visuals. The light is refracted to the desired direction through the arrays.