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Adaptive Lenses for Displays & Vision

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Abstract content :

There are a whole host of technologies for producing lenses with controllable focal lengths, ranging from electro-wetting to liquid crystal technology. In this paper we will discuss some of our recent work on applying liquid crystal lenses to applications in 3D displays and vision science. For these applications we typically need very fast lenses and we shall also discuss the background technology of switchable birefringent ferroelectric liquid crystal lenses.

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