

Research on stretched membrane with electrostatic curvature (SMEC) mirrors

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Abstract: Stretched Membrane with Electrostatic Curvature (SMEC) Mirrors is a new spatial optical technology recently developed in foreign countries, which performed modification of figuration of SMEC Mirror in control of Electrostatic. With the folding property of membrane when it was loaded,this technology have taken on important prospect in system of spatial remote sensing in the future. In this paper the fundamental of SMEC Mirror was introduced, the more deeply analyzing of cybernetic model completed, and at present research method based on synthesis of foreign development in the field was put forward.