



## 本期特约报告

### FT-CCD纳秒脉冲激光毁伤效应

张震

基于像素结构的不同,相对于IT-CCD,在脉冲激光辐照下,FT-CCD多晶硅电极先于硅衬底受损的概率较高。在本文1064nm 8ns 脉冲激光对FT50M型FT-CCD的1-on-1辐照实验中,多晶硅先受到损伤造成了辐照点单侧黑线的现象。该现象从未被之前的CCD激光毁伤效应研究文献所报道,丰富了对CCD图像传感器激光毁伤效应的认识。

中国航天科工集团公司  
《红外与激光工程》编辑部

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