

## 强光弹对抗红外成像制导导弹的干扰机理

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**摘要** 阐述了红外制导导弹在现代战争中的作用和威胁, 针对红外成像制导导弹制导信息链路易受攻击的弱点, 提出了一种采用非相干光强光弹攻击其信息链路中的跟踪算法模块, 误导或抑制其正常工作, 以及从光路上切断其信息链路等多种途径对抗红外成像制导导弹的干扰方案. 由于该强光弹辐射波段宽、作用视场大, 因此, 这种干扰技术具有适应性强、性价比高和使用方便等诸多优点.

**关键词** [强光弹](#) [非相干光](#) [干扰机理](#) [红外对抗](#) [红外成像制导导弹](#)

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## The jamming mechanism for intense light bomb antagonizing infrared imaging guided-missiles

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### Abstract

The effect and threat of infrared guided-missiles in modern wars are expounded. Aiming at the weakness of an infrared imaging guided-missile with a vulnerable information link, a jamming scheme against infrared imaging guided-missiles is proposed in which the tracking algorithm module in its information link is attacked by using an incoherent intense light bomb, its normal work is misadvised or restrained, the information link from the optical circuit is cut and so on. In virtue of the intense light bomb with a wide radiation wave band and a large action field of view, the jamming method has a few advantages of strong adaptability, high ratio of capability to price, easy operation and so on. <BR>

**Key words** [intense light bomb](#) [incoherent light](#) [jamming mechanism](#) [infrared countermeasure](#) [infrared imaging guided-missiles](#)

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