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Jamming Performance of Infrared Bait/Chaff

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Abstract: The effectiveness of infrared guidance and radar guidance jamming with infrared bait and **chaff** has been proven in modern high-tech warfare. Their jamming regime relies on infrared radiation of the infrared bait, and radar reflective waves from **chaff** to simulate the target (such as aircraft, warships, tanks, and point targets) performance to confuse, disturb, and jam the infrared guidance and radar guidance, as well as their probing and aiming systems. In tactical applications, these are divided into centroid mode, dump mode, dilution mode, and confusion mode. Study of the jamming performance of infrared bait and **chaff** is required in developing the smoke, flame, light, and electric/sourceless jamming technologies. It is very important and practical to enhance the jamming performance of infrared bait and **chaff**, as well as to extend the jamming frequency spectrum. ANNOTATION: Jamming Performance of Infrared Bait/**Chaff**. --Translation.

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