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Abstract

This study investigates various infrared reduction techniques and methods concerning military as well as civilian applications. Typical applications of infrared reduction are briefly discussed and followed by fundamental concepts required for infrared reduction. The various techniques available to reduce infrared signature of an aircraft are reported in detail. Advanced mathematical techniques required in the analysis of infrared radiation are also included here. This study on infrared signature reduction is based on the techniques and methods reported in the classical texts and technical reports.