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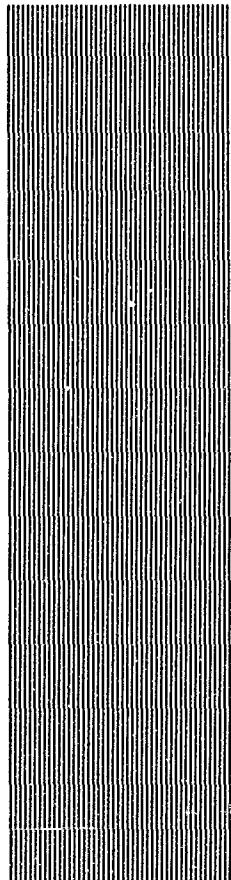


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Report No. 91099

ROYAL SIGNALS AND RADAR ESTABLISHMENT,  
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RSRE UNLIMITED REPORTS AND  
MEMORANDA, 1981-1990

Authors: P W Trevett & L G Stevens

PROCUREMENT EXECUTIVE, MINISTRY OF DEFENCE

**RSRE**

Malvern, Worcestershire.

September 1991

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Report 91099

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1981 - 1990

compiled by

Peter W Trevett

and

Laraine G Stevens

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Experimental thermal imaging equipment for the fire service.

Kent M J

(Issued June 1988)

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The phase diagram Cd-Hg-Te.

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The influence of the temperature coefficient of refractive index on a thermal imager.

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A true logarithmic IF amplifier for radar applications.

Davies L M; Scott E W

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Providing an X25 interface to the RSRE pilot packet switched network.

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A chemical milling method of producing thin walled waveguide thermal isolating sections.

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In praise of procedures.

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Ebeam: an operating system for particle beam lithography.

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A plane wave expansion solution for the scattering from a frequency-selective surface in the presence of a dielectric.

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Estimation of target positions using planar arrays.

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Comparing different theoretical designs of six-port reflectometer junctions.

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Exposure modelling of particle beam lithography.

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Automatic distribution of programs in MASCOT and Ada environments - a feasibility study.

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Software configuration management across project boundaries and in distributed development environments.

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Magill S A; Ord G

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A FORTRAN plotting package for graphic VDUs.

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Microwave sensor design using CAD techniques.

Greenhalgh D; Kidd S J

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Edge detection in SAR imagery using gradient operators.

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A scanning optical microprobe for infrared detector measurement.

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Checking microcode algebraically.

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James G E

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A device-independent 2D plotting package written in FORTRAN.

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Hardware proofs using LCF-LSM and ELLA.

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Study of group-type single-phase unidirectional SAW transducers on LiNbO<sub>3</sub> and quartz.

Lewis M F

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Wood J W

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Using true procedure values in a programming support environment.  
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Peeling S M

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Currie I F

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