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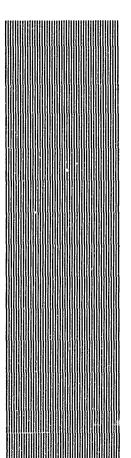
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Report 91099

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The phase diagram Cd-Hg-Te.
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01JAN82 0014759

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A broadband waveguide transfer standard for the dissemination of UK national microwave power standards.
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01JAN82 0014866

RSRE-MEMO-3398
The influence of the temperature coefficient of refractive index on a thermal imager.
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RSRE-MEMO-3400 A true logarithmic IF amplifier for radar applications. Davies L M; Scott E W 01JAN81 0015395

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RSRE-MEMO-3422
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01JAN82 0015430

RSRE-MEMO-3438
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RSRE-MEMO-3475 A tool for analysing the design and performance of a Mascot ACP network - introductory report. Tyler A C F 01JUN82 0014798

RSRE-MEMO-3479 Determination of oxygen and carbon in silicon wafers. Series R m W 01AUG82 0014782

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RSRE-MEMO-3512
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Currie I F; Foster J M 01SEP82 0014787

RSRE-MEMO-3525

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RSRE-MEMO-3528

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RSRE-MEMO-3550
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RSRE-MEMO-3560
Image understanding for military systems: a discussion of the way forward for PRIP research in Britain.
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A comparison between the least-squares lattice and fast Kalman algorithms for adaptive channel equations.
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RSRE-MEMO-3570
A technique for the investigation of the coherent coupling of observers to electro-optic sensors viewed via optical magnifiers.
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RSRE-MEMO-3580
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RSRE-MEMO-3582
Noise reduction and segmentation of IR images using co-median filters.
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RSRE-MEMO-3583
An introduction to the Axis test box.
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01APR83 0014892

RSRE-MEMO-3584
The Axis test box hardware report.
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RSRE-MEMO-3585
The Axis test box software report.
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01APR83 0014891

RSRE-MEMO-3589
A portable input/output package for Coral based 8080 systems.
Griffiths M P
01MAY83 0014887

RSRE-MEMO-3597 Dielectric loss measurement at millimetre wave frequencies using an untuned cavity. Gunton D J 0.014890 0014890

RSRE-MEMO-3608
Sensor head performance, responsivity and NETD using pyroelectric linear arrays.
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01JUL03 0014950

RSRE-MEMO-3615
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RSRE-MEMO-3618
A plane wave expansion solution for the scattering from a frequency-selective surface in the presence of a dielectric. Gallagher J G; Brammer D J
Also held on microfiche
01AUG83 0015404

RSRE-MEMO-3623
Zooming and smoothing images using convolutional procedures.
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01AUG83 0014954

RSRE-MEMO-3625
The multistate reflectometer.
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RSRE-MEMO-3644
Implementation of the sign-logarithm arithmetic FFT.
Kidd S J
01NOV83 0015066

RSR2-MEMO-3650 The Chinese remainder theorem and multi PRF radars. Clarke J \$015085\$

RSRE-MEMO-3656 Scattering form multi-scale surface. Jordon D L; Hollins R C; Jakeman E 01FEB84 0015086

RSRE-MEMO-3661
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RSRE-MEMO-3670 A compact frequency stable pulsed CO2 laser. Jordon D L; Hollins R C 01JAN84 0015094

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Investigation of the effect of annealing on the dislocation and sub-grain boundary content of solvent evaporation grown CdTe.
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RSRE-MEMO-3684
Comparing different theoretical designs of six-port reflectometer junctions.
Griffin E J; Hodgetts T E
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RSRE-MEMO-3690 Exposure modelling of particle beam lithography. Broughton C; Misfud V J 01AUG84 0015103

RSRE-MEMO-3691
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RSRE-MEMO-3724
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0015349

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RSRE-MEMO-3739
A FORTRAN plotting package for graphic VDUs.
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BR-93876
RSRE-MEMO-3748
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RSRE-MEMO-3765
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RSRE-MEMO-3768
Guide to SID for users of the Flex computer.
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BR-96521
RSRE-MEMO-3770
Nonlinear refractive index measurements of isotropic liquid crystals.
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010CT84
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Special purpose hardware architectures for language recognition.
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RSRE-MEMO-3824
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RSRE-MEMO-3825
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RSRE-MEMO-3883 A procedural implentation of PASCAL files on FLEX. Hammond P D 01JUL85 0015306

RSRE-MEMO-3884
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ER-101085 RSRE-MEMO-3889 Calibration procedure for a coherent polarimetric radar. Wood M A 01MAY86 0012691

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## RSRP UNLIHITED NEMOS, 1981-1990

BR-99242
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Low level segmentation of noisy imagery.
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BR-101778
RSRE-MEMO-3992
Compact bit slice writable control store for experimental information processors.
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Also held on microfiche
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Investigation into the characteristics of ZnSe filters.
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RSRE-MEMO-3994
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Improvements to the precision pan and tilt head.
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Also held on microfiche
01DEC86 0010976

BR-104732 RSRE-MEMO-4018 Infrared devices using semiconductor quantum wells. Kane M J; Apsley N ALso held on microfiche 010CT87 0011629 BR-102006

RSRE-MEMO-4019 Initial investigation of leakage from waveguide flanges with sealing gaskets.

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Also held on microfiche 01FEB87 0000009

BR-102865 RSRE-MEMO-4022

GaAs varactor diode MMIC fabrication technology.

Hughes B T; Parker J T; Woodward J. Also held on microfiche

01MAR87 0010997

BR-102007

RSRE-MEMO-4024 Diffraction limited performance of infrared fresnel lenses.

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BR-104726 RSRE-MEMO-4030

An interface for the connection of the SCP2160A pulse analyser to a Hewlett-Packard desk-top computer. Williams C

Also held on microfiche 090CT87 0011638

BR-102762

RSRE-MEMO-4031 Psychophysical considerations in measuring MRTD with staring arrays. Murphy K S

Also held on microfiche 01MAY87 0010946

ER-103152 RSRE-MEMO-4036 Holographic phase correction. Slinger C W Also held on microfiche 01JUN87 0011035

BR-102355
RSRE-MEMO-4038
Language modelling for automatic speech recognition:a review.
Dodd L; Johnson S R
Also held on microfiche
01APR87 0010762

BR-104733
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Jordan D L; Hollins R C; Jakeman E; Tufton P J
Also held on microfiche
01MAY87 0011628

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RSRE-MEMO-4040
A study of the performance of automatic speech recognisers with speech impaired children.
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Also held on microfiche
01APR87 0010949

BR-103079
RSRE-MEMO-4045
Plane wave diffraction by a thin dielectric wedge.
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Also held on microfiche
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RSRE-MEMO-4049
Experiments with the back propagation algorithm: a systematic look at a small problem.
Bedworth M D; Bridle J S
Also held on microfiche
29JUN87 0011145

BR-103727 RSRE-MEMO-4051 Formal grammars and Markov models. Bridle J S; Dodd L 010CT87 0011212

BR-103381
RSRE-MEMO-4063
An approach to the hierarchical specification, design and verification of software.
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Also held on microfiche
01JUL87 0011120

BR-105535
RSRE-MEMO-4066
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Also held on microfiche
01JUL87 0012298

BR-103380 RSRE-MEMO-4069 Optical absorption in doped CdxHg1-xTe. Humphreys R G Also held on microfiche 01AUG87 0011113

BR-105252
RSRE-MEMO-4073
Experiments in isolated digit recognition using the multi-layer perceptron.
Peeling S M; Moore R K
Also held on microfiche
17DEC87 0012126

RSRE-MEMO-4074 Ada tasking in TEN15. Tombs D J 010CT87 0011536

BR-104023 RSRE-MEMO-4079 The complex point spread function of the RSRE SAR. Luttrell S P Also held on microfiche 01SEP87 0011233

BR-104811
RSRE-MEMO-4080
Monte Carlo analysis of lateral collection diode arrays.
Davis A P; White A M
Also held on microfiche
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BR-107340
RSRE-MEMO-4083
A Monte Carlo performance analysis of accelerated SVD - based high discrimination algorithms.
Mather J L
Also held on microfiche
01JUL88 0014439

RSRE-MEMO-4090
The software repeater (an exercise in Z specification).
O'Halloran C
010CT87 0011630

RSRE-MEMO-4096
Multiple address facility for packet radio: an investigation of performance/complexity trade off.
Gove C J
01NOV87 0012097

BR-106013 RSRE-MEMO-4097 Determination of satcom access power levels within the ground segment. Delucovich J R Also held on microfiche 01NOV87 0013339

ER-109769
RSRE-MEMO-4102
Readout and signal conditioning for a linear pyroelectric array.
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Also held on microfiche
01AUG8B 0016206

BR-105255
RSRE-MEMO-4109
Generic cueing in image understanding.
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Also held on microfiche
01DEC87 0012099

BR-105253
RSRE-MEMO-4110
Linguistic definition of generic models in computer vision.
Fretwell P; Goillau P J
Also held on microfiche
01DEC87 0012100

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RSRE-MEMO-4112
Some issues on object representation in computer vision.
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Also held on microfiche
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BR-108567
RSRE-MEMO-4114
The application of software fault tolerance to air traffic control: study contract overview.
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Also held on microfiche
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RSRE-MEMO-4117
Protection and security mechanisms in the SMITE capability computer.
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Also held on microfiche
01JAN88 0011777

BR-106726
RSRE-MEMO-4121
Performance prediction for bulk chalcogenide gratings produced by the photodissolution effect.
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Also held on microfiche
01FEB88 0013787

BR-105545
RSRE-MEMC-4126
The SMITE computer architecture.
Wiseman S R; Field-Richards H
Also held on microfiche
01JAN88 0012300

BR-105560
RSRE-MEMO-4127
A flexible basis for software configuration management.
Stanley M; Hammond P D
Also held on microfiche
01FEB88 0012194

BR-106572
RSRE-MEMO-4128
A theoretical and experimental investigation into the use of SAW weighting techniques in optical diffraction gratings.
Lewis M F; West C L
Also held on microfiche
01MAR88 0013720

BR-108037
RSRE-MEMO-4129
A theoretical and experimental investigation of linear and nonlinear focussing chirped optical diffraction gratings.
Lewis M F; West C L
Also held on microfiche
01JUN88 0014752

BR-109213
RSRE-MEMO-4131
Comparison of interpolation algorithms for speed control in air traffic management.
Budd A J
Also held on microfiche
17AUG88 0015762

BR-110739
RSRE-MEMO-4132
A simulation study of landing time allocation procedures for use in computer-assisted air traffic management systems.
Budd A J
Also held on microfiche
28APR89 0017064

BR-109148
RSRE-MEMO-4133
Route data representation for ATC simulation experiments.
Finch W
Also held on microfiche
250CT88 0015768

ER-106012 RSRE-MEMO-4134 Connected digit recognition in a multilingual environment. Moore R K Also held on microfiche 01FEB88 0013338

BR-106050
RSRE-MEMO-4135
Hidden Markov models for automatic speech recognition: theory and application.
Cox S J
Also held on microfiche
22FEB88 0013340

-

BR-106923
RSRE-MEMO-4136
The Gillick test - a method for comparing two speech recognisers tested on the same data.
Cox S J
Microfiche
22FEB88 0013950

ER-106077
RSRE-MEMO-4137
Tunnelling current in reverse biased CMT photodiodes.
Gordon N T
Also held on microfiche
01MAR88 0013335

BR-106724
RSRE-MEMO-4143
Practical custom CMOS chip design.
Browning T I
Also held on microfiche
01MAY88 0013789

BR-106214
RSRE-MEMO-4145
The SMITE modular compilation system.
Harrold C L
Also held on microfiche
01MAR88 0013586

BR-106213
RSRE-MEMO-4147
The SMITE object oriented backing store.
Wiseman S R
Also held on microfiche
01MAR88 0013590

BR-106143
RSRE-MEMO-4148
Radial basis functions, multi-variable functional interpolation and adaptive networks.
Broomhead D S; Lowe D
Also held on microfiche
28MAR88 0013587

BR-107538 RSRE-MEMO-4150 Calculation of the H-plane aperture distribution and far field pattern for a metal plate loaded horn. Lettington A H; Hunaban N J 01MAY88 0014332

BR-108108
RSRE-MEMO-4152
Explicit modelling of state duration correlations in hidden Markov models.
Russell M J; Sime L
Also held on microfiche
01SEP88 0014753

BR-106952
RSRE-MEMO-4153
Experiments in minimally distinct word - pair discrimination using the multi-layer perceptron.
Moore R K; Peeling S M
Also held on microfiche
01APR88 0013952

BR-107338
RSRE-MEMO-4157
A comparison of nonlinear optimisation strategies for feed-forward adaptive layered networks.
Webb A R; Lowe D; Bedworth M D
Also held on microfiche
05JUL88 0014395

ER-107056
RSRE-MEMO-4158
Counting paths in computer programs.
Bramson B D
Also held on microfiche
01MAY88 0014085

RSRE-MEMO-4160
The inside/outside algorithm: grammatical interference applied to stochastic context-free grammers.

Dodd L
01JUN88 0014086

BR-107013
RSRE-MEMO-4164
Ion implanted GaAs microwve FETs.
Gill S S; Blockley E G; Dawsey J R; Foreman B J; Woodward J; Ball G; Beard S J; Gaskell J M; Allenson M B
Also held on microfiche
01JUN88 0013955

BR-107422
RSRE-MEMO-4176
Matching ground images to map data on MIL-DAP.
Merrifield B C; Simpson P; Smith N
Also held on microfiche
01JUN88 0014328

BR-108095
RSRE-MEMO-4188
On the design and implementation of a secure computer system.
Terry P F; Wiseman S R
Also held on microfiche
01JUN88 0014650

BR-107744
RSRE-MEMO-4191
Experimental measurements of scattering from simple wavelength sized phase objects.
Jordan D L; Jakeman E; Hollins R C
Also held on microfiche
01AUG88 0014543

BR-108038
RSRE-MEMO-4193
A hybrid optimisation strategy for adaptive feed-forward layered networks Webb A; Lowe D
Also held on microfiche
09SEP88 0014649

BR-108111
RSRE-MEMO-4194
Speech and language technology: a UK strategy (saltus-2000).
Moore R K
Also held on microfiche
01JUL88 0014719

BR-108630 RSRE-MEMO-4195 Specification of VIPER1 in Z. Kemp D H Also held on microfiche 01SEP88 0015476

BR-108826
RSRE-MEMO-4197
Parallel processing on transputer arrays for the recognition of objects in infra-red images.
Baker S A
Also held on microfiche
01SEP88 0014750

BR-111416
RSRE-MEMO-4208
UV photo-enhanced MOCVD of cadmium and cadmium telluride.
Hag S
01APR88 0017558

BR-107727
RSRE-MEMO-4209
A theorem connecting adaptive feed-forward layered networks and nonlinear discriminant analysis.
Webb A R; Lowe D
12AUG88 0014546

ER-108280 RSRE-MEMO-4210 Properties of density tapered arrays. Ball G J Also held on microfiche 01MAR88 0015042

BR-108312 RSRE-MEMO-4211 Statistical density and amplitude tapered arrays. Ball G J Also held on microfiche 01MAR88 0015048

BR-107778
RSRE-MEMO-4213
The application of a distributed array processor (DAP) to linear assignment problems in radar tracking.
Stanley A J; Simpson P; Roberts J B G
Also held on microfiche
01JUL88 0014540

ER-108109 RSRE-MEMO-4214 Algorithmic fault tolerance. Proudler I K Also held on microfiche 01SEP88 0014754

BR-108110
RSRE-MEMO-4215
Non-separate arithmetic codes.
Proudler I K
Also held on microfiche
01SEP88 0014711

BR-108860 RSRE-MEMO-4217 Specification of Viper 2 in Z. Kemp D H Also held on microfiche 010CT88 0015665

BR-108825
RSRE-MEMO-4222
A security model and its implementation.
Wiseman S R; Harrold C L
Also held on microfiche
01SEP88 0014751

BR-112456
RSRE-MEMO-4223
Binary pseudo random phase correlation in radar systems - a new approach.
Dean M; Barrow I
Also held on microfiche
01JAN89 0018376

BR-108440
RSRE-MEMO-4225
Mathematical equivalence in a primitive ELLA.
Davies M B
Also held on microfiche
01AUG88 0015242

BR-108686 RSRE-MEMO-4234 Twistons. Bramson B D Also held on microfiche 010CT88 0015667

BR-108878 RSRE-MEMO-4237 Software fault tolerance. Simcox L N Also held on microfiche 01JUN88 0015663

RSRE-MEMO-4241 Application of the MUSIC algorithm to laboratory acquired data. Eustace C T \$01MAR89\$ 0016570

BR-108667
RSRE-MEMO-4243
Automatic communications channel interference monitoring.
Smith N G
Also held on microfiche
01APR88 0015603

BR-109214
RSRE-MEMO-4244
A mapping for converting Mascot designs to Ada programs.
Dean T
Also held on microfiche
19JUL88 0015765

BR-108668
RSRE-MEMO-4247
A Z specification of the MaCHO interface editor.
Wood A W
Also held on microfiche
01NOV88 0015602

BR-111061 RSRE-MEMO-4249 The new programming. Philips C S E; Bramson B D 01MAY89 0017239

BR-112415
RSRE-MEMO-4252
Multi-microprocessor control of a precision pan and tilt head.
Charlwood E C E; Turner C J
Also held on microfiche
01JAN89 0018287

BR-110021
RSRE-MEMO-4256
The inside-outside algorithm further experiments on three and four letter word spelling and implementation on an array processor.

Dodd L
Also held on microfiche
01MAR89 0016527

BR-109060
RSRE-MEMO-4258
Spectroscopic ellipsometry characterisation of CVD deposition and doping of polysilicon multilayer structures.
Sharma S; Pickering C; Morpeth A; Terry G R
Also held on microfiche
010CT88
0015764

BR-109824
RSRE-MEMO-4261
Causing and preventing viruses in computer systems.
Wiseman S R
01JAN89 0016287

BR-110081
RSRE-MEMO-4262
Tactical UK military satellite ground terminals - a research and development review.
Skilton P J
Also held on microfiche
01JAN89 0016564

BR-109899
RSRE-MEMO-4263
On the problem of security in data bases.
Wiseman S
Also held on microfiche
01JAN89 0016329

BR-109773
RSRE-MEMO-4267
Mode S data link trials 10-11 January 1989.
Hughes A J; Larkin R J; Rose M J; Worsley M F; Alcock T
Also held on microfiche
21FEB89 0016267

BR-109992
RSRE-MEMO-4268
A persistent heap for ALGOL 68.
Rees S J; Cliff G; Hammond P D, Peeling N E
Also held on microfiche
01FEB89 0016525

BR-111748
RSRE-MEMO-4269
Optical properties of zinc selenide grown using molecular beam deposition techniques.
Welford K
01JUN89 0017825

BR-110168 RSRE-MEMO-4272 The automatic detection of anti-collision lights Wyndham B A Also held on microfiche 01FEB89 0016567

BR-110853
RSRE-MEMO-4277
Alvey MM1007: object identification from 2D images: the RSRE contribution.
Fretwell P; Series R
Also held on microfiche
01MAY89 0017121

BR-110829
RSRE-MEMO-4279
SIMOGEN - an object-oriented language for simulation.
Arthur C A
Also held on microfiche
01MAR89 0017119

BR-111060
RSRE-MEMO-4280
The application of Z to the specification of air traffic control systems.
1: an initial specification of the radar processing activities.
Simcox L N
01APR89 0017241

RSRE-MEMO-4282 Post-war regional planning - the French silicon valley. Holeman S L 01AUG89 0018167

BR-111059 RSRE-MEMO-4286 Enhanced performance IR focal plane arrays using adaptive subtraction. Ballingall R A; Blenkinsop I D 28APR89 0017240

BR-111531
RSRE-MEMO-4289
A well conditioned formulation for the analysis of multi-layered frequency selective surfaces using a cascaded matrix approach.
Mackay A J; Gallagher J G
01MAY89 0017521

RSRE-MEMO-4290
Titanium - doped sapphire lasers with high energy pumping.
Payne M J P; Lowde N A
01JUN89 0017674

ER-111534
RSRE-MEMO-4291
Performance of the IMP array processing algorithm: first results.
Mather J L
01JUL89 0017489

BR-111533
RSRE-MEMO-4293
The integration of structured and formal methods.
Randell G P
01JUN89 0017490

BR-111474
RSRE-MEMO-4294
An introduction to selected structured methods.
Randell G P
Also held on microfiche
01JUN89 0018186

BR-111965 RSRE-MEMO-4299 Computing optimum routes across terrain using DAP. Haymes R; Parkes C; Roberts J B G; Simpson P Also held on microfiche 01JUL89 0017962

BR-111532 RSRE-MEMO-4304 Beamforming pre-processors for high discrimination algorithms. Mather J L 01AUG89 0017523

BR-112563
RSRE-MEMO-4305
Simple graphical descriptions of natural land profiles and the application of fractal and sub-fractal models to them.
Jordan D L
Also held on microfiche
01JUL89 0018369

BR-111666
RSRE-MEMO-4309
A real-time wind model using digital data from aircraft.
Worsley M F; Hughes A J
Also held on microfiche
28JUL89 0017835

FR-112412
RSRE-MEMO-4323
The Knuth-Bendix completion algorithm and its specification in Z.
Smith A
Also held on microfiche
015EP89 0018285

BR-112014
RSRE-MEMO-4325
Multiwave diffraction analysis of transmission phase gratings.
Slinger C W
Also held on microfiche
01SEP89 0017976

BR-113031
RSRE-MEMO-4330
Experiments in variable frame rate analysis for speech recognition.
Ponting K M; Peeling S M
Also held on microfiche
15DEC89 0018637

BR-112455
RSRE-MEMO-4331
The open ended coaxial line: a rigorous variational treatment Hodgetts T E
Also held on microfiche
010CT89 0018375

BR-112707
RSRE-MEMO-4334
Object orientated simulation on transputer arrays using time warp.
Simpson P
01DEC89 0018542

1

ER-112454
RSRE-MEMO-4335
Short range, close to ground, VHF/VHF propagation. comparison of measured results with a simple ray-based model.
Bellamy P R
Also held on microfiche
010CT89 0018371

BR-113377
RSRE-MEMO-4336
Further experiments in variable frame rate analysis for speech recognition.
Peeling S M, Ponting K M
21FEB90 0018850

BR-112697
RSRE-MEMO-4337
A Bayesian derivation of an iterative autofocus/super-resolution algorithm
Luttrell S P
Also held on microfiche
07DEC89 0018544

RSRE-MEMO-4339
Reflectivity estimates for laser rangefinder targets at 1 06 and 2.06 microns wavelength
Payne M J P, Evans H W
010CT90 0019921

BR-112835
RSRE-MEMO-4341
A sum rule satisfied by optimised feed-forward layered networks.
Broomhead D S; Lowe D; Webb A R
24JAN89 0018855

BR-112706
RSRE-MEMO-4342
On networks, optimised feature extraction and the Bayes decision.
Lowe D; Webb A R
Also held on microfiche
05DEC69 0018543

BR-113093
RSRE-MEMO-4343
Incorporating prior probabilities and misclassification costs into network training; an example from medical prognosis.
Lowe D; Webb A R
Also held on microfiche
01NOV89 0018842

BR-112834
RSRE-MEMO-4346
Improving upon standard pattern classification algorithms by implementing them as multi-layer perceptrons.
Bedworth M D
Also held on microfiche
12DEC89 0018853

BR-114075
RSRE-MEMO-4348
Theoretical and experimental comparison of infrared and visible laser scattering from a variety of surface types.
Jordan D L; Hollins R C; Jakeman E; Prewett A
Also held on microfiche
01MAR90 0019009

BR-113300
RSRE-MEMO-4349
Parallelisation of a dynamic programming algorithm suitable for feature detection.
Ducksbury P G
Also held on microfiche
01JAN90 0018848

ER-113301
RSRE-MEMO-4350
An introduction to the information processing components of the brain.
Collins S
Also held on microfiche
122AN90 0018847

BR-113367 RSRE-MEMO-4356 ZADOK user guide. Randell G 01JAN90 0018852

BR-113302 RSRE-MEMO-4357 Triphone clustering in the ARM system. Russell M J; Ponting K M; Browning S R; Downey S; Howell P 05FEB90 0018845

BR-113303
RSRE-MEMO-4358
Improved front end analysis in the ARM system. linear transformations of SRU bank.
Russell M J; Lowe D; Bedworth M D; Ponting K M
13FEB90 0018843

BR-113304
RSRE-MEMO-4359
Experiments with grand variance in the ARM continuous speech recognition system.
Russell M J; Ponting K M
08FEB90 0018844

BR-113883
RSRE-MEMO-4363
Quantum well infrared detectors I: Some ca.-ulations of their optical properties.
Kane M J
Also held on microfiche
02FEB90 0018917

BR-113378
RSRE-MEMO-4367
Syntax and lexis of the specification language 2.
Sennett C T
01FEB90 0018697

BR-113950
RSRE-MEMO-4369
Parametric testing for the CMOS, silicon on sapphire process.
Boller D J
01FEB90 0019008

BR-115187
RSRE-MEMO-4375
Analysis of the performance of a single-auxiliary sidelobe canceller.
Day 1; Fairhead A C
Also held on microfiche
01AUG90 0019676

RSRE-MEMO-4384
Spectral characteristics of discharge-excited xenon lasers.
Swanson A S; Orchard D A, Hollins R C
01APR90 0019796

BR-114304
RSRE-MEMO-4385
Silage to Ella translation
Hill M G; Whiting E V
Also held on microfiche
01APR90 0019259

BR-114336
RSRE-MEMO-4392
Asymptotic code vector density in topographic vector quantisers.
Luttrell S P
Also held on microfiche
24MAY90 0019261

BR-115042
RSRE-MEMO-4401
Techniques for investigating thin-film insulators under high electric fields.
Beale M I J
Also held on microfiche
01SEP90 0019468

BR-115188
RSRE-MEMO-4405
Network stability under viral attack - a game entitled God and the Devil.
Giess S C
Also held on microfiche
01JUN90 0019675

RSRE-MEMO-4409
The QR decomposition based least squares lattice algorithm for adaptive filtering.
Proudler I K; McWhirter J G
23JUL90 0019763

BR-115324
RSRE-MEMO-4415
Long self-sustained discharge pulses for CO2 lasers: further skirmishes.
Harris M R
Also held on microfiche
01AUG90 0019769

RSRE-MEMO-4416
The Boltzmann equation in gas discharges, with some applications to SF6.
Milsom P K; Gorton E K
01AUG90 0019678

BR-115186
RSRE-MEMO-4417
Monte-Carlo simulations of gas discharge systems with some application to SF6.
Milsom P K
Also held on microfiche
01AUG90 0019677

BR-81061
RSRE-RPT-81009
Flex firmware.
Currie I F; Edwards P W; Foster J H
Also held on nicrofiche
01SEP81 0015558

BR-81771
RSRE-RPT-81011
An annotated bibliography of congestion control in packet-switched communication networks.
Taylor D P
Also held on microfiche
01NOV81 0015559

RSRE-RPT-82009
The Discus operating system
Griffiths M P
01NOV82 0015058

RSRE-RPT-82010
The Discus hardware system
Field-Richards H S
01JUL82 0015057

RSRE-RPT-82013 Two advanced computer architectures. a study of their support for languages and operating systems. Wiseman S R 01JUL82 0015054

RSRE-RPT-82015 Gemini microprogrammer's handbook. Kershaw J 015EP82 0015037

RSRE-RPT-82019
AF-Coral: language features to integrate MASCOT with Coral 66.
White T A D
01NOV82 0015035

RSRE-RPT-83001
The processes of visual perception and the implications for optimisation of displays.
Home R
01FEB83 0015033

RSRE-RPT-83003
A unified treatment of the theory of six-port reflectometer calibration using the minimum of standards.
Hodgetts T E; Griffin E J
01AUG83 0014943

RSRE-RPT-83004
Intermediate access switch. A multi processor application.
Connelly T G; Griffiths M P
015EP83 0014942

RSRE-RPT-83009 The use of the Mascot philosophy for the construction of ADA programs. Fickenscher G 010CT83 0014938

RSRE-RPT-83010
RSRE speech data base recording (1983). Part 1 : Specification of vocabulary and recording procedure.
Deacon J; Moore R K; Pratt R L; Russell M J; Tomlinson M J
01DEC83 0014937

RSRE-RPT-84003
A fully distributed approach to the design of a 16 Kbit/sec VHF packet radio network.
Hazell M S; Davies B H
01FEB84 0014935

RSRE-RPT-84007
ADAM an abstract database.
Peeling N E; Morison J D; Whiting E V
01MAY84 0014934

RSRE-RPT-84008
RSRE speech database recordings 1983 : Part2 Recordings made for automatic speech recognition assessment and research.
Russell M J; Tomlinson M J; Moore R K; Deacon J C
01MAY84 0014933

BR-95524
RSRE-RPT-85005
Precision microwave attenuation measurement by time interval ratio.
Cummings P; Johnson R H
Also held on microfiche
01MAR85 0015575

BR-95552 RSRE-RPT-85006 Garbage collection of block structured memories. Wiseman S R 01MAR85 0012746

RSRE-RPT-85008
Regular expression analysis of procedures and exceptions.
Foster J M
01JUN85 0015577

BR-97054
RSRE-RPT-85009
Garbage collector for a large distributed address space.
Wiseman S R
01JUN85 0012747

RSRE-RPT-85012
Formal proof of correspondence between the specification of a hardware module and its gate level implementation.
Pygott C H
01NOV85 0012749

RSRE-RPT-85015
Perqflev 1:rmware.
Currie I F; Foster J M; Edwards P W
01DEC88 0012752

BR-99572
RSRE-RPT-85016
Introduction to radar absorbent materials (RAM).
Lederer P G
01FEB86 0012753

ER-100657
RSRE-RPT-86007
Use of new technology in the control of civil air traffic at airway junctions.
Humphrey P T
01JUN86 0012757

BR-102531
RSRE-RPT-86018
A study of store management policies for incremental garbage collectors.
Harrold C L
Also held on microfiche
01DEC86 0010885

BR-105064
RSRE-RPT-87003
Assessing the intelligibility and acceptability of voice communication systems.
Pratt R L; Flindell I H; Belyavin A J
Also held on microfiche
01JUN87 0012098

BR-104022
RSRE-RPT-87004
Public tool interfaces for software development environments.
Stanley M; Peeling N E; Currie I F
Also held on microfiche
01SEP87 0011232

BR-104469
RSRE-RPT-87011
User-extensible graphics using abstract structure.
Core P W
01AUG87 001163:

BR-104725 RSRE-RPT-87013 The avoidance of collisions for Newtonian bodies with hidden variables. Bramson B D Also held in microfiche 010CT87 0011636

BR-104861 RSRE-RPT-87014 The Viper microprocessor. Kershaw J Also held on microfiche 01NOV87 0011635

BR-104812
RSRE-RPT-87015
Development environment for secure software.
Sennett C T
Also held on microfiche
01N0V87 0011925

BR-105618
RSRE-RPT-87017
Review of type checking and scope rules of the specification language Z. Sennett C T
Also held on microfiche
01NOV87 0013145

BR-107337
RSRE-RPT-87018
Assessment of the Philips USFA B.V. 7mm cooling engine.
Laycock D P; Powell W J A
Also held on microfiche
01MAY88 0014438

BR-106199
RSRE-RPT-87019
Fine resolution errors in secondary surveillance radar altitude reporting.
Jenkins D B; Wyndham B A; Banks P
Also held on microfiche
01JAN88 0013589

BR-105251 RSRE-RPT-87020 Separability and security models.

Sennett C T; Macdonald R 01NOV87 0011983

BR-108480

RSRE-RPT-88001 Computer-based tools for assisting air traffic controllers with arrivals flow management.

Magill S A N; Tyler A C F; Wilkinson E T; Finch W Also held on microfiche

01SEP88 0015317

BR-106200 RSRE-RPT-86002

Formal specification of a secure document control system for SMITE. Harrold C L
Also held on microfiche
01FEB88 0013588

BI -108924 RSRE-RPT-88004

Fine resolution errors in secondary surveillance radar altitude reporting amongst aircraft transmitting the conspicuity codes 4321 and 4322. Banks P; Wyndham B A, Jenkins D B

Banks P; Wyndham B A, Jenkins I Also held on microfiche 01JUN88 0015599

BR-106837 RSRE-RPT-88006

On the privacy problems involved in allowing access to computers via the public telephone system.

Gless S C Also held on microfiche 01APR88 0013792

BR-110080 RSRE-RPT-88014

Keepsake a database kernel Peeling N E, Milner K R Also held on microfiche

01MAR89 0016563

BR-110583
RSRE-RPT-89004
Pattern matching in ML a case study in refinement.
Macdonald R; Randell G P, Sennett C T
Also held on microfiche
01MAY89 0016966

BR-110736
RSRE-RPT-89005
Tool support for the production of high integrity software.
Sennett C T
Also held on microfiche
01APR89 0017118

BR-111665 RSRE-RPT-89011 The NODEN hardware description language. Pygott C H 01AUG89 0017672

BR-111545 RSRE-RPT-89012 The algebra of the NODEN analyser. Pygott C H 01AUG89 0017520

BR-111536
RSRE-RPT-89014
The SMITE approach to security.
Terry P F
A94C-2711
01AUG89 0017522

BR-112197
RSRE-RPT-89015
A study of caching in capability computers.
Haines JG
Also held on microfiche
015EP89 0018224

BR-113096 RSRE-RPT-89022 Guide to charging for the CCF. Batemen R F 01DEC89 0018857

BR-113097
RSRE-RPT-89023
Purchase of computer equipment - justification and cost appraisal.
Bateman R F
Also held on microfiche
01DEC89 0018856

BR-113305 RSRE-RPT-89024 Basic mechanisms for computer security Wiseman S R 01JAN90 0018846

BR-114203
RSRE-RPT-90001
The Terry-Wiseman security policy model and examples of its use.
Harrold C L
Also held on microfiche
01MAR90 0019118

BR-114204
RSRE-RPT-90005
Lattices for security policies.
Foley S N
Also held on microfiche
01APR90 0019176

RSRE-RPT-90008
The SWORD model of multilevel secure databases.
Wood A W
01JUN90 0019409

RSRE-RPT-90011
An example secure system specified using the Terry-Wiseman approach. Harrold C L
Also held on microfiche
01JUL90 0019782

BR-115416
RSRE-RPT-90020
Unifying information flow policies.
Foley S N
Also held on microfiche
010CT90 0019797

RSRE-TEST-RPT-87-CC3-2 Performance of a rapid carrier acquisition circuit for satellite ground terminal modems. Baynham A J 015EP87 0012192

#### RSRE MISCELLANEOUS UNLIMITED PUBLICATIONS, 1981-1990

ER-100563

Statement to industry on the adoption of the ADA language by MOD for use in real-time computer applications.

Also held on microfiche 01JUL84 0013718

z-85932

The RSRE pilot packet - switched network.

Masterman P H

01JAN80 0006094

z-85933

Computer security in the RSRE PPSN.

Barnes D

01JAN80 0006095

Z-85934

Intelligent X25 level 2 line units for packet switching.

Martin A F; Parks J K

01JAN80 0006096

z-85935

The provision of end to end security for user data on an experimental packet switched network. Presented at the IEE sponsored 4th International Conference on Software Engineering for Telecommunications Switching

Systems, July 1981.

Barnes D H

01JAN81 0006097

z-85936

The provision of security for user data on packet switched networks.

Barnes D H

01JAN82 0006098

z-85949

Eye-safe hand held laser rangefinder.

01JAN80 0006111

ł

#### RSRE MISCELLANEOUS UNLIMITED PUBLICATIONS, 1981-1990

Z-91786 Thermal imaging: a transfer of technology. Smith D A 01JAN88 0012791

Z-93473 Aircraft for airborne radar development. Issue A. Sleigh W H 01JUN86 0016228

Z-94181 Life cycles and environment: Proceedings of the Fourth IECCA colloquium held at RSRE, St Andrews Road, Malvern on 5th May 1988. 05MAY88 0017655

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