The KDF9: a Bibliography

Many of the following documents can be viewed or downloaded. Online sources at time of writing are indicated thus:

† See: academic.oup.com/comjnl
§ See: sw.ccs.bcs.org/CCs/KDF9/Wichmann
¶ See: www.computerconservationsociety.org
* See: www.findlayw.plus.com/KDF9/

See also:

• www.webarchive.org.uk/wayback/archive/20130303230703/www.roylongbottom.org.uk/whetstone.htm
• Worth a Thousand Words: www.youtube.com/watch?v=JaHqzQtaVmM

*Design of an Arithmetic Unit Incorporating a Nesting Store
R. H. Allmark and J. R. Lucking

*Engineering Aspects of KDF.9 Time Sharing
R. V. Beard

University of Glasgow Department of Computing; 1967.

Atlas Autocode Compiler for KDF9
P. Bratley, D. Rees, P. Schofield and H. Whitfield
Edinburgh University Computer Unit Report No.4; 1965.

†The Autocode Programs developed for the Manchester University Computers
R. A. Brooker

†The Main Features of Atlas Autocode
R. A. Brooker, J. S. Rohl and S. R. Clark

†The EGDON System for the KDF9
D. Burns, E. N. Hawkins, D. R. Judd and J. L. Venn,

The Input Output Control of KDF9
D.J. Caton

*A Users’ Guide to COTAN, CLM-M75
Computing and Applied Mathematics Group, Culham Laboratory; January 1968.

*A Users’ Guide to COTAN
Computing and Applied Mathematics Group, Culham Laboratory; December 1968.

*A Synthetic Benchmark
H.J. Curnow and B.A. Wichmann,

The English Electric KDF9 Computer System
G.M. Davis

†Implementation of ALGOL 60 for the English Electric KDF9
F. G. Duncan
Computer Journal, Vol.5 No.2; 1962.

†Input and output for ALGOL 60 on KDF9
F. G. Duncan

DEUCE Alphacode Manual
DEUCE Library Service;
Data Processing and Control Systems Division, English Electric Company Limited; 19??
FORTRAN
KDF9 Service Routine Library Manual, Section 13.3; English Electric Leo; 196?.

KDF9 Program Index
Computer Library Service; English Electric Leo; 1964.

KDF9 Subroutine Index
Computer Library Service; English Electric Leo; 1964.

Paper Tape Generator
KDF9 Service Routine Library Manual, Section 10.1; English Electric Leo; 1965.

ALPHACODE
KDF9 Service Routine Library Manual, Section 13.2; English Electric Leo; 1966.

KDF9 Egdon Programming System: Part 1 Programmers Description
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1966.

KDF9 Egdon Programming System: Part 2 Operating System
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1966.

PROMPT

Egdon System Reference Manual
Publication 103 550566; English Electric–Leo–Marconi Computers Limited; 1968.

Program KMG01, Report Program Generator

KDF9 ALGOL Programming
Publication 1002 mm (R) 1000565, English Electric–Leo–Marconi Computers Limited; 1969.

An Introduction to the KDF9 Computer
J.A. Edwards

Notes on KDF 9 Main Control
J.A. Edwards

Notes on KDF9 Arithmetic Control
J.A. Edwards

The KDF9 Multiplier-Divider Unit Part A
J.R. Ellison

Corrections to Report No. K/GD.y.99 : The KDF9 Multiplier-Divider Unit Part A
J.R. Ellison

Programmes to Investigate Timings on KDF9
P. Fell;

*The English Electric KDF9
W. Findlay; 2020.

*The Hardware of the KDF9
W. Findlay; 2020.

*The Software of the KDF9
W. Findlay; 2020.

*The KDF9 and Benchmarking
W. Findlay; 2020.

*Users’ Guide for ee9: an English Electric KDF9 Emulator
W. Findlay; 2020.

†The implementation of syntax analysis using ALGOL, and some mathematical applications
E. Foxley and P. King
K Autocode
A. Gibbons,

KDF9 Computer System
A.C.D. Haley,

A multi-pass translation scheme for ALGOL 60
E.N. Hawkins and D.H.R. Huxtable,

*Improving the Usercode Generated by the Kidsgrove Algol Compiler*
R. Healey and B. A. Wichmann; National Physical Laboratory CCU TM3; 1971.

‡KDF9 Time Sharing: Eldon 2 is not EGDON!
D. Holdsworth

On writing an optimizing translator for ALGOL 60
D.H.R. Huxtable,

*KDF9 Programming Manual*

A software teletype exchange
D.A. Jones and N.J. Partington

†An algorithm for scheduling storage on a non-paged computer
D.C. Knight

An Algol 60 System for Undergraduates
D.J. Leigh

*KDF9: Basic Organisation of Controls; and Instruction Timings*
J.R. Lucking and J.P. O’Neil

KDF9—Transformer Sequence Units
J.R. Lucking

KDF9: Shifting and Shift Control
J.R. Lucking and J.P O’Neil

Floating Point Arithmetic in KDF9
J.R. Lucking and J.P O’Neil

 Interruption and Fetch Next Instruction Sequences of KDF9 Main Control
J.R. Lucking
English Electric Company Report K/GD.y.82; 1 July 1963.

An Atlas Autocode to ALGOL 60 translator
A. T. McEwan

Provisional Specification for the KDF9 Software Interface
J.L. Martin
National Physical Laboratory KSWP/PS; 20 May 1966.

†Software to translate TELCOMP programs into KDF9 ALGOL
K. A. Mulholland

Report on the Algorithmic Language ALGOL 60
d, P. Naur; 1960.
A copy can be seen in *Egdon System Reference Manual*, Chapter 7, ‘EGDON ALGOL’.
*How to Write Efficient K/Algol Programs
J. Ogden
University of Glasgow Computing Laboratory; 1965.

§Note on Rapid Instruction Analysis by Table Lookup
M. O’Halloran and W.M. Waite

*In-Core Card Algol
J. W. Patterson and A.I. Smith
University of Glasgow Computing Laboratory; 1969.

†The development of on-line computing facilities for the KDF9 part 1: COSEC
P. C. Poole and T. Lang

Some aspects of the EGDON 3 operating system for the KDF9
P. C. Poole

Developing a multi-access system online
P. C. Poole

Draft MITEM Preliminary Users’ Manual
P.C. Poole
Culham Laboratory; 1971.

*The STAGE2 Macroprocessor User Reference Manual
P. C. Poole and W. M. Waite
Culham Laboratory; 1970.

The Whetstone KDF9 ALGOL Translator
B. Randell;

§ALGOL 60 Implementation
B. Randell and L.J. Russell

†Note on an ALGOL 60 compiler for Pegasus I
K. L. Ryder
Computer Journal, Vol.6 No.4; 1964.

SOAP – Simplify Obscure Algol Programs
R. S. Scowen, A. L. Hillman and M. Shimell
National Physical Laboratory, Central Computer Unit; 1969.

BABEL, a new programming language
R. S. Scowen
Report CCU 7, National Physical Laboratory; 1969.

†The IMP language and compiler
P. D. Stephens

*The Ackermann function. A theoretical, computational and formula manipulative study
Y. Sundblad
BIT Numerical Mathematics, Vol.11 No.1; 1971.

A New Assembly Language for KDF9
J.T. Thomason
University of Leeds Computing Laboratory; 1970.

†Competition for memory access in the KDF9
C. S. Wallace and B. G. Rowswell

*The Eldon 2 operating system for KDF9
M. Wells, D. Holdsworth and A.P. McCann

†A technique for program monitoring by interruption
M. R. Wetherfield
§A Modular Operating System
B. A. Wichmann

*Timing of Algol
B. A. Wichmann
National Physical Laboratory; March 1967.

*Some statistics from Algol programs
B. A. Wichmann

§Testing ALGOL 60 Compilers
B. A. Wichmann and B. Jones
*Software: Practice and Experience, Vol.6 No.1; 1970.

*Estimating the execution speed of an Algol program
B. A. Wichmann
National Physical Laboratory CCU TM1; 1970.

*The Usercode produced by the Kidsgrove Algol compiler
B. A. Wichmann
National Physical Laboratory CCU TM2; 1971.

*The Performance of Some Algol Systems
B. A. Wichmann

§Five ALGOL compilers
B. A. Wichmann

§ALGOL 60 Compilation and Assessment
B. A. Wichmann

Basic statement times for ALGOL 60
B. A. Wichmann
National Physical Laboratory, Teddington, Middlesex; 1973.

*Ackermann’s function: a study in the efficiency of calling procedures
B. A. Wichmann

*How to call procedures, or second thoughts on Ackermann’s Function
B. A. Wichmann

*Latest results from the procedure calling test, Ackermann's function
B. A. Wichmann

*The GOLD Project
J. M. Wilson
University of Glasgow Computing Laboratory; 1966.

*Kalgol Messages
University of Glasgow Computing Laboratory; 196?.

On the Design of a Very High-Speed Computer;
For the above document, see:
bitsavers.trailing-edge.com/pdf/univOfIllinoisUrbana/illiac/ILLIAC_II