



Association Française pour l'Etude des Eaux

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Trop spécialisé
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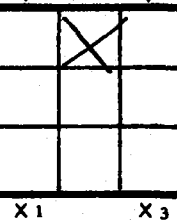
BOONSTRA J., JURRIENS M. -

Pour non spécialiste

Pour spécialiste

Y 3

Y 1



Document très recommandé

Bon document

Z

Titre original : RAPPORT BASCAD, A MATHEMATICAL MODEL FOR LEVEL BASIN IRRIGATION.

Titre traduit :

DESCRIPTEUR(S)

(pris dans le Thésaurus National-Eau) et éventuellement MOTS-LIBRES

COMMENTAIRE

(Micro résumé de 30 mots environ)

Irrigation de Surface
Modèle mathématique
Irrigation par bassin
Simulation
Logiciel

Logiciel de simulation du fonctionnement ~~de bassin~~ de l'irrigation par bassin, permet de dimensionner à priori ou de gérer un bassin en fonction de ^{ces} caractéristiques. ~~de~~
Accès facile, logiciel très didactique.

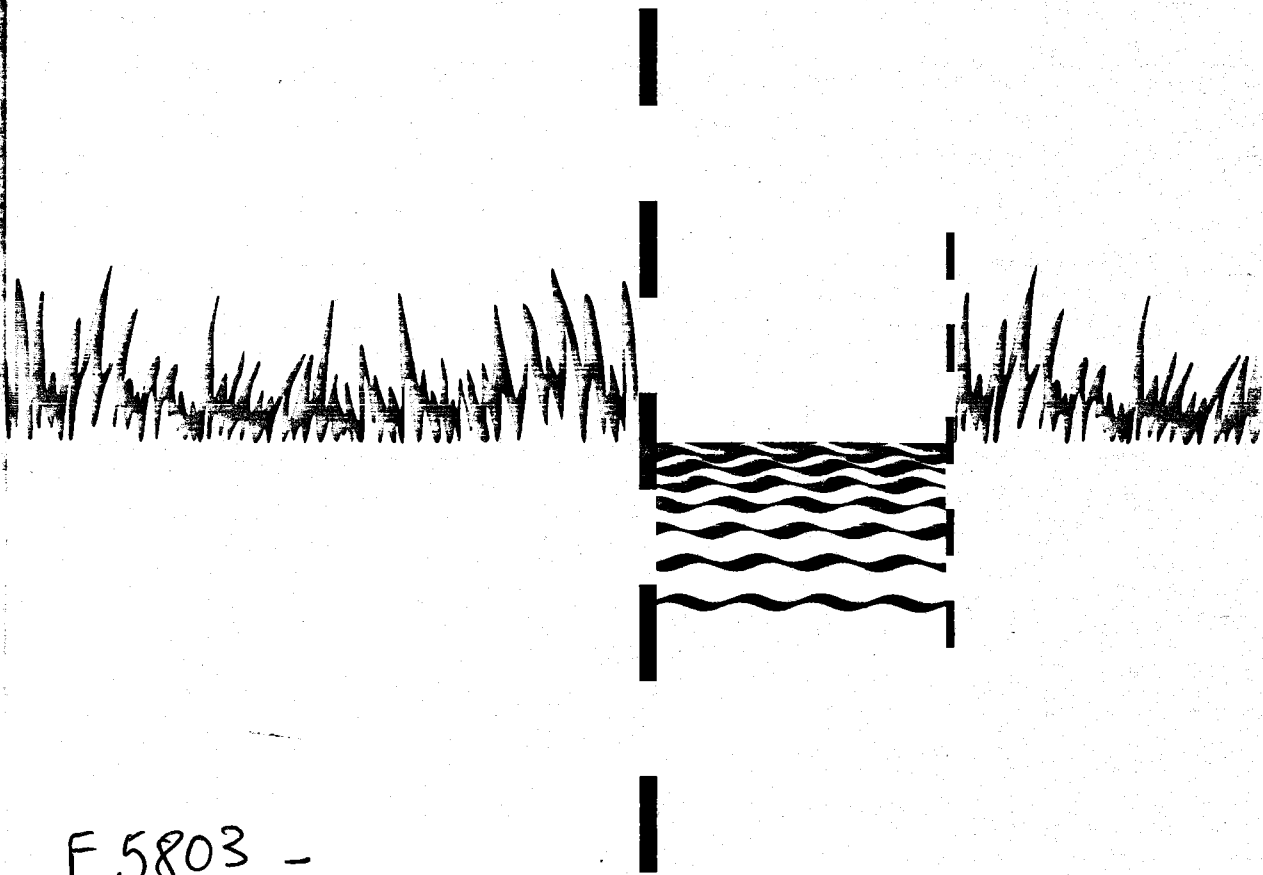
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66/65007

BASCAD

A mathematical model for level basin irrigation

J. Boonstra
M. Jurriëns



Preface

The need for better water management in surface-irrigation systems is clearly shown by their usually low water-application efficiencies – typically less than 60 per cent. Nevertheless, surface systems, when properly designed and managed, can attain much higher application efficiencies. The purpose of surface-irrigation models is to improve the design and management of these systems.

With this in mind, we wrote BASCAD (BAS = Basin, CAD = Computer-Aided Design), a mathematical model for basin irrigation. BASCAD is the result of many years of work. The nucleus was developed in 1984 in collaboration with Suzanne Geldof of IWIS/TNO in The Hague. Since then, we have added to it step by step. Various colleagues have made trial runs with different versions of the BASCAD program, which we have modified in response to their comments and suggestions.

A copy of the compiled version of the program, written in BASIC, is included with this manual. It comes on a 5¹/₄-inch floppy disc in MS-DOS format, and will run on any IBM-compatible microcomputer. As a service to users, a FORTRAN version of the program is also available. It comes on a 9-track magnetic tape in ASCII format. Requests for the FORTRAN version should be addressed to the International Institute for Land Reclamation and Improvement in Wageningen, The Netherlands.

The Authors

Contents

	page
Preface	
1 Introduction	9
2 General description of basin irrigation	10
3 Program features	12
4 Running the program	15
5 Input parameters	16
6 Output parameters	20
7 Program diagnostics	22
8 Guidelines	24
9 Sample problems	26
References	30
List of symbols	30

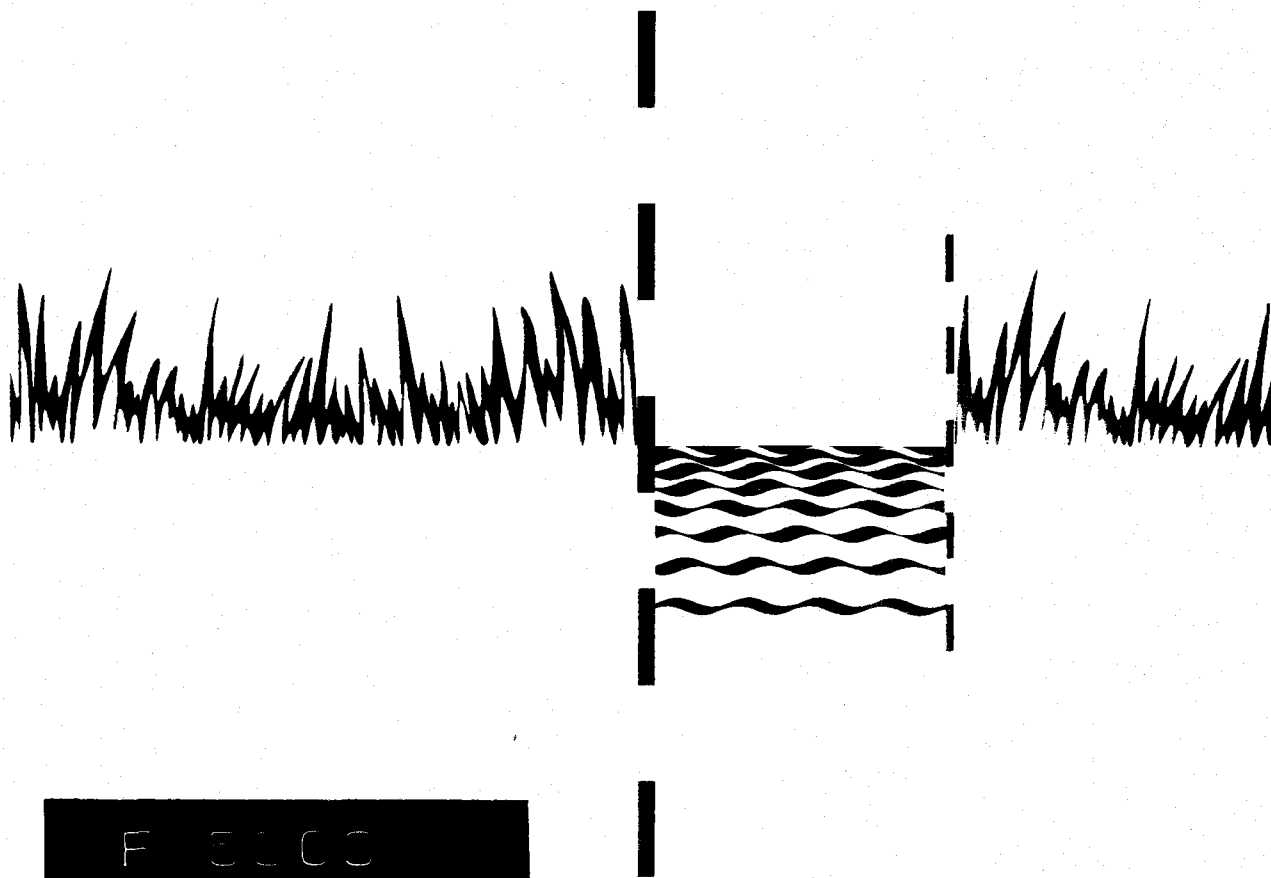
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