

19, 20 and 21 November

11.00 to 12.00 hrs – Auditorium

Plasma as a physics subject and a technological tool

by F. TROYON / EPFL

Any material heated above ten or twenty thousand degrees become a plasma. Plasma is found everywhere. Made of ions and electrons it has very specific properties, and sometimes esoteric. It can be held and thermally insulated by magnetic fields, heated by ohmic dissipation, by particle beams or by electromagnetic waves in a wide range of frequencies. In a plasma of deuterium and tritium at a temperature above a few 10^7 K, fusion nuclear reactions occur which give energy. The principles and the status of fusion research will be presented. Other nonconventional uses of plasmas will also be described.

LECTURE NOTES (Academic Training Programme)

- Lecture Notes or Copies of Transparencies are distributed to those who attended the lectures.
- Extra copies, in limited numbers, may be obtained (in the weeks following lectures)
but only from the SELF-SERVICE shelves at
 - the Main Library (DOC)
 - Building 54, R-005.

INFORMATICS TUTORIAL 1985-4

5 and 6 December

from 09.00 to 12.00 hrs and 14.00 to 17.00 hrs

The Graphical Kernel System

by F. Robert A. HOPGOOD and

David A. DUCE / Rutherford Appleton Laboratory, UK

Topics

The publication of GKS as an International Standard on 15 August 1985 was a milestone in the history of computer graphics. In the past the great diversity of basic graphics packages, with their confusingly different philosophies, has inhibited the development of graphical application software. An application written in terms of one basic graphics system may require restructuring in order to run with another system. GKS has been designed with the aim of establishing a unique base for the development of graphical applications software, offering exciting prospects for the portability of graphical software in the future. Hardware and software suppliers worldwide are now offering GKS products. The tutorial will provide a detailed presentation of the main features of GKS, both for graphical output and for graphical input.

GKS at CERN

The present and future of GKS at CERN will be outlined by Juergen Bettels of the graphics section of DD/EE in the last half hour of the course.

Material

Participants will receive copies of the book 'Introduction

to the Graphical Kernel System (GKS)' by F. R. A. Hopgood, D. A. Duce, J. R. Gallop and D. C. Sutcliffe.

About the lecturers

Bob Hopgood is head of Informatics Division at the Rutherford Appleton Laboratory in the UK. He has been involved in the development of graphic standards from the earliest days. David Duce works in the same division and is currently engaged in a research project concerned with the formal specification of GKS. He was one of the editors of the GKS document.

Registration

Please fill in the form below, cut it out and mail it to Mrs Monique Antal / DD before 22 November.

GKS Tutorial 5 and 6 December

Name and division :

Date :

Signature of group leader or equivalent :

INFORMATIONS

GENERALES

GENERAL INFORMATION

RESTAURANT No. 3 (PREVESSIN)

Temporary closure on 11 and 12 November 1985

For technical reasons Restaurant no. 3 in Building 866 will be closed on **11 and 12 November 1985**. The coffee bar will not operate on the morning of 11 November, but it will function normally in the afternoon and on 12 November. The cafeteria services in Buildings 864, 865 and 892 will operate normally. Larger vehicles will be provided for the bus service linking the Prévessin and Meyrin sites between 12.00 and 14.00 hrs on both days.

We regret the inconvenience to clients.

Personnel Department
Tel. 3962

RESTAURANT No. 3 (PREVESSIN)

Fermeture temporaire les 11 et 12 novembre 1985

Pour des raisons techniques, le Restaurant no. 3 situé dans le bâtiment 866 sera fermé les **11 et 12 novembre 1985**. Le bar à café ne sera pas ouvert le 11 novembre au matin, mais il fonctionnera normalement dans l'après-midi ainsi que le 12 novembre toute la journée. Les services de cafeteria des bâtiments 864, 865 et 892 seront assurés normalement. Des navettes de capacité supérieure relieront ces deux jours les sites de Prévessin et de Meyrin entre 12.00 et 14.00 h.

Nous regrettons vivement les inconvénients que cela représente pour les clients.

Département du Personnel
Tél. 3962



AVIS DE DECES

Nous avons le regret d'annoncer le décès de Monsieur Josef BALMER survenu le 31 octobre 1985 à la suite de maladie.

Monsieur BALMER travaillait à la Division SB et était au CERN depuis le 1^{er} avril 1964.

Monsieur BALMER était veuf et avait deux enfants.

Le Directeur général a envoyé un message de condoléances de la part du personnel CERN à la famille.

Département du Personnel

KLAUS BÖCKMANN

All friends, colleagues and collaborators of Klaus Böckmann learned with great regret of his death on 17 October 1985 after a long illness.

Prof. Böckmann and his group at the University of Bonn were much appreciated for their contributions to many CERN experiments using the 80cm, 2-metre and BEBC Bubble Chambers before currently working on the UA5 experiment. His active participation as a member of the Advisory Committee of CERN Users during 1978-1981 was highly valued. He will be greatly missed.

D.R.O. Morrison
J. Rushbrooke
G. Bossen

HEURES D'OUVERTURE DES SELF-SERVICES

Selon le résultat de la récente enquête menée auprès des utilisateurs, les heures d'ouverture des self-services à partir du 11 novembre 1985 seront les suivantes :

de 08.30 à 12.00 h et
de 13.00 à 16.30 h.

Service des Magasins

STORES SELF-SERVICE OPENING HOURS

Following the results of the recent inquiry amongst the users, the opening hours of the Self-Services from 11 November 1985 will be the following :

08.30 to 12.00 hrs and
13.00 to 16.30 hrs.

Stores Service

DIVISION SB / ATELIERS CENTRAUX

Recherchons MARBRE GRANIT avec support, dimensions 1600 × 1000 × 160 mm, précision atelier 26 microns, afin d'éviter un achat extérieur.

Contactez K.S. NEIL, tél. 5883.

AVIS DE RECHERCHE

La personne ayant emprunté un rétroprojecteur et un écran pour un séminaire ou une conférence il y a environ 2 mois est priée de les rendre au bureau des opérateurs (tél. 2781).

PROCHAIN CONCERT

Vendredi 22 novembre 1985 à 20 h

Grand Auditorium du CERN

Récital Brigitte Meyer (piano)

Programme:

J. Haydn	Sonate en <i>mi</i> bémol majeur Hob XVI.52
W.A. Mozart	Variations Salve tu domine
	Sonate en <i>la</i> mineur KV 310
F. Mendelssohn	Trois chants sans paroles
F. Schubert	Sonate en <i>si</i> bémol majeur, D 960

Billets: Fr.13.- en vente uniquement le soir du concert dès 19h en fonction des places disponibles

N.B. Le nombre de places dans l'Auditorium étant limité, les abonnés susceptibles de ne pas venir à ce concert sont priés de le faire savoir, afin que d'autres personnes puissent bénéficier de leur place, en téléphonant à G. Adam/SPS, tél. 4813, recherche 13-4006. Merci.