

PREFERRED NOTATION

Authors are requested to define symbols as they appear in the text but lists of symbols may be given in an Appendix.

Other widely used symbols should be

stress	$\underline{\sigma}$ or σ_{ij}
coefficient of linear thermal expansion	α_T
coefficient of volumetric expansion	β
temperature	T
time	t
density	ρ
specific heat	c, c_p (under const. pressure)
porosity	n
velocity (vector)	\underline{v} or \underline{u} or u_i
displacement (vector)	\underline{u} or $\underline{\delta}$ or u_i
heat flux	q
heat generation rate	Q
thermal diffusivity	α
heat transfer coefficient	h
thermal conductivity	k
characteristic length	L
characteristic velocity	v
viscosity	μ
kinematic viscosity	ν
gravity acceleration	g
increment	Δ
gradient operator	∇
Laplacian	∇^2 or $\nabla^T \nabla$
critical values	v_{crit}, t_{crit} etc.

Non-dimensional numbers in standard usage to be defined by a two letter symbol as below:

Pr	$C_p \mu / k$ or ν / α	(Prandtl)
Nu	hL/k	(Nusselt)
Re	$\rho VL / \mu$ or VL / ν	(Reynolds)
Ra	$\beta g \Delta TL^3 / \alpha \nu$ or $Gr Pr$	(Rayleigh)
Gr	$\beta g \Delta TL^3 / \nu^2$	(Grashoff)
Pe	VL / α or $Re Pr$	(Peclet)

Matrices should be indicated by a capital letter with a wavy line (tilde) underneath, e.g. \underline{K} , whereas vectors should be indicated by a lower case letter with a wavy line (tilde) underneath, e.g. \underline{k} .

Symbol T should be used for transpose, e.g. \underline{k}^T .

ANNOUNCEMENT

NASECODE III

The Third International Conference on the

Numerical Analysis of Semiconductor Devices and Integrated Circuits

15–17 June 1983 in Galway, Ireland

under the auspices of the Numerical Analysis Group

and co-sponsored by the

Electron Devices Society of the IEEE

Technical Group on Semiconductor and Semiconductor Devices of the IECE

Institute for Numerical Computation and Analysis

Irish Mathematical Society

and

Finite Element Programming with Special Emphasis on Semiconductor Device and Process Modelling

An International Short Course held in association with the

NASECODE III Conference

13–14 June 1983 in Galway, Ireland

NASECODE III—contributed papers

THE DEADLINE FOR THE RECEIPT OF ABSTRACTS AND PRELIMINARY VERSIONS OF 20-MINUTE CONTRIBUTED PAPERS IS 18 FEBRUARY 1983.

These should be typed within a rectangle 265 mm high by 180 wide on each page. Typing should be one and one half spaced and each rectangle should be filled as completely as possible with no margins left within the rectangle. All material other than the page numbers must be within the rectangles. The final versions of the papers should be prepared in the same way and

they will be treated as camera-ready copy for publication in the Proceedings of the Conference.

Communications

All communications concerning the Conference and Short Course should be sent to: NASECODE III Secretariat, c/o Boole Press Limited, P.O. Box 5, 51 Sandycove Road, Dun Laoghaire, Co. Dublin, Ireland. Telephone +353-1-808025. Telex 92240 SOTR EI. Telegrams BOOLEPRESS DUBLIN.