# INSTRUCTIONS TO AUTHORS

## A. General

In upper right corner of title page **write by hand** "For CMP".

Manuscripts should be submitted in duplicate. They should preferably be written in English; papers in French or German are also accepted.

Manuscripts must be in their **final form,** typed on one side of each sheet only, with double spacing and wide margins. Formulae should be typewritten whenever possible. Mimeographed copies are not acceptable unless clearly legible.

Please include a "Note for the Printer" explaining markings used. See suggestion overleaf.

To speed up publication, authors will receive **only one set of proofs:** provisionally numbered page proofs. Authors are requested to **correct typographical errors only;** they will be charged for corrections involving changes, additions or deletions to the original manuscript.

**Diagrams** should be submitted on separate sheets, not included in the text. They should be drawn in Indian ink in clean uniform lines, the whole about twice the size of the finished illustration. Inscriptions should allow for the figure 1, for example, to be about 2 mm high in the final version (i.e. 4 mm for reduction $\times \frac{1}{2}$). The author should mark in the margin of the manuscript where diagrams may be inserted.

**Footnotes,** other than those which refer to the title heading, should be numbered consecutively and placed at the foot of the page to which they refer (not at the end of the article).

Please give on the first page of the manuscript a **running head** (condensed title), which should not exceed 70 letters including spaces.

**References** to the literature should be listed at the end of the manuscript. The following information should be provided for **journal articles:** names and initials of all authors, name of the journal, volume, first and last page numbers and year of publication. References to **books** should include name(s) of author(s), full title, edition, place of publication, publisher and year of publication.

*Examples*

Bombieri, E., Giusti, E.: Inventiones math. **15**, 24–46 (1971)
Tate, J. T.: *p*-Divisible groups. In: Proceedings of a conference on local fields, pp. 158–183. Berlin, Heidelberg, New York: Springer 1967

## B. Marking

### 1. Text

The words **"Theorem"**, **"Lemma"**, **"Corollary"**, **"Proposition"** etc. are normally printed in **boldface,** followed by the formulation in italics (to be underlined in the manuscript).
The words *"Proof"*, *"Remark"*, *"Definition"*, *"Note"* etc. are printed in *italics* with the formulation in ordinary typeface.
Words or sentences to be set in italics should be marked by single underlining.

### 2. Formulae

Letters in formulae are normally printed in italics, figures in ordinary typeface.
It will help the printer if in doubtful cases the position of indices and exponents is marked thus: $b_\wedge$, $a^\vee$. Spacing of indices and exponents must be specially indicated ($A_m{}^n{}_n{}^m$) otherwise they will be set ($A_{mn}^{nm}$).
Underlining for special alphabets and typefaces should be done according to the following code:

| | |
|---|---|
| single underlining: | small letter |
| double underlining: | capital letter |
| brown: | boldface headings, boldface letters in formulae |
| yellow: | upright |
| | (abbreviations e. g. Re, Im, log, sin, ord, id, lim, sup, etc.) |
| red: | Greek |
| blue: | Gothic |
| green: | Script |
| **violet:** | **the numeral 1, and zero (to distinguish them from the small letter** $l$ **and the capital letter** $O$**)** |

The following are frequently confused:

$\cup,\ \mathbf{u},\ \bigcup,\ U;\quad \circ, o, O, 0;\quad \times, x, X, \kappa;\quad \vee, v, \nu;\quad \theta, \Theta, \phi, \varphi, \Phi, \emptyset;\quad \psi, \Psi;\quad \varepsilon, \in;$

$a', a^1;\quad$ the symbol $a$ and the indefinite article a;

also the handwritten Roman letters:

$c, C;\quad e, l;\quad I, J;\quad k, K;\quad o, O;\quad p, P;\quad s, S;\quad u, U;\quad v, V;\quad w, W;\quad x, X;\quad z, Z;$

Please take care to distinguish them in some way.

## C. Examples

### 1. Special alphabets or typefaces

| | |
|---|---|
| Script | $\mathscr{A}, \mathscr{B}, \mathscr{C}, \mathscr{D}, \mathscr{E}, \mathscr{F}, \mathscr{G}, \mathscr{H}, \mathscr{I}, \mathscr{J}, \mathscr{K}, \mathscr{L}, \mathscr{M}, \mathscr{N}, \mathscr{O}, \mathscr{P}, \mathscr{Q}, \mathscr{R}, \mathscr{S}, \mathscr{T}, \mathscr{U}, \mathscr{V}, \mathscr{W}, \mathscr{X}, \mathscr{Y}, \mathscr{Z}$ |
| | $a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$ |
| Sanserif | A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z |
| | a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z |
| Gothic | $\mathfrak{A}, \mathfrak{B}, \mathfrak{C}, \mathfrak{D}, \mathfrak{E}, \mathfrak{F}, \mathfrak{G}, \mathfrak{H}, \mathfrak{I}, \mathfrak{J}, \mathfrak{K}, \mathfrak{L}, \mathfrak{M}, \mathfrak{N}, \mathfrak{O}, \mathfrak{P}, \mathfrak{Q}, \mathfrak{R}, \mathfrak{S}, \mathfrak{T}, \mathfrak{U}, \mathfrak{V}, \mathfrak{W}, \mathfrak{X}, \mathfrak{Y}, 3$ |
| | $\mathfrak{a}, \mathfrak{b}, \mathfrak{c}, \mathfrak{d}, \mathfrak{e}, \mathfrak{f}, \mathfrak{g}, \mathfrak{h}, \mathfrak{i}, \mathfrak{j}, \mathfrak{k}, \mathfrak{l}, \mathfrak{m}, \mathfrak{n}, \mathfrak{o}, \mathfrak{p}, \mathfrak{q}, \mathfrak{r}, \mathfrak{s}, \mathfrak{t}, \mathfrak{u}, \mathfrak{v}, \mathfrak{w}, \mathfrak{x}, \mathfrak{y}, \mathfrak{z}$ |
| Boldface | **A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z** |
| | **a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z** |
| Special Roman | $\mathbb{A}, \mathbb{B}, \mathbb{C}, \mathbb{D}, \mathbb{E}, \mathbb{F}, \mathbb{G}, \mathbb{H}, \mathbb{I}, \mathbb{J}, \mathbb{K}, \mathbb{L}, \mathbb{M}, \mathbb{N}, \mathbb{O}, \mathbb{P}, \mathbb{Q}, \mathbb{R}, \mathbb{S}, \mathbb{T}, \mathbb{U}, V, \mathbb{W}, \mathbb{X}, \mathbb{Y}, \mathbb{Z}, \mathbf{1}$ |
| Greek | $\Gamma, \Delta, \Theta, \Lambda, \Xi, \Pi, \Sigma, \Phi, \Psi, \Omega$ |
| | $\alpha, \beta, \gamma, \delta, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \upsilon, \varphi, \phi, \chi, \psi, \omega$ |

### 2. Notations

| preferred form | instead of | preferred form | instead of |
|---|---|---|---|
| $A^*, \tilde{b}, \gamma', \mathbf{v}$ | $\bar{A}, \hat{b}, \check{\gamma}, \vec{v}$ | $f: A \to B$ | $A \xrightarrow{f} B$ |
| lim sup, lim inf | $\overline{\lim}, \underline{\lim}$ | | |
| inj lim, proj lim | $\varinjlim, \varprojlim$ | | $\cos\dfrac{1}{x}$ |
| $\exp(-(x^2+y^2)/a^2)$ | $e^{-\frac{x^2+y^2}{a^2}}$ | $\dfrac{\cos(1/x)}{(a+b/x)^{1/2}}$ | $\dfrac{}{\sqrt{a+\dfrac{b}{x}}}$ |
| $f^{-1}$ | $\overset{-1}{f}$ | | |

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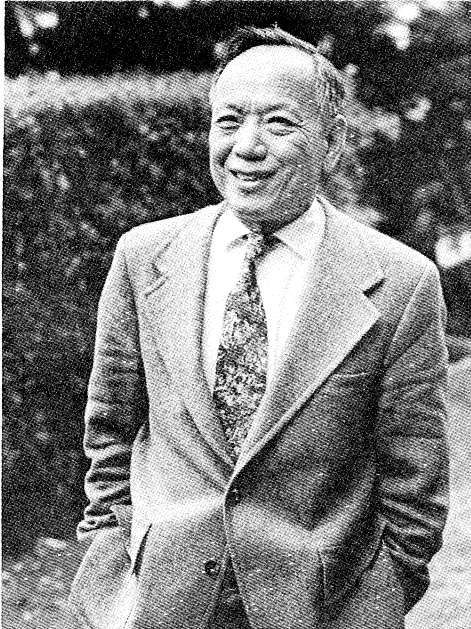Postcard - Airmail

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S.-s. Chern

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# The Chern Symposium 1979

Proceedings of the International Symposium on Differential Geometry in honor of S.-s. Chern, held in Berkeley, California, June 1979

**Editors:** W.-Y.Hsiang, S. Kobayashi, I. M. Singer, A. Weinstein, J. Wolf, Hung-Hsi Wu

**Contents:**
*M. F. Atiyah:* Real and Complex Geometry in Four Dimensions. - *R. Bott:* Equivariant Morse Theory and the Yang-Mills Equation on Riemann Surfaces. - *E. Calabi:* Isometric Families of Kähler Structures. - *M. Green, P. Griffiths:* Two Applications of Algebraic Geometry to Entire Holomorphic Mappings. - *F. Hirzebruch:* The Canonical Map for Certain Hilbert Modular Surfaces. - *N. H. Kuiper:* Tight Embeddings and Maps. Submanifolds of Geometrical Class Three in $E^N$ - *J. Moser:* Geometry of Quadrics and Spectral Theory. - *L. Nirenberg:* Remarks on Nonlinear Problems. - *R. Ossermann:* Minimal Surfaces, Gauss Maps, Total Curvature, Eigenvalue Estimates, and Stability. - *W.-T. Wu:* de Rham-Sullivan Measure of Spaces and Its Calculability. - *C. H. Yang:* Fibre Bundles and the Physics of the Magnetic Monopole. - *S.-T. Yau:* The Total Mass and the Topology of an Asymptotically Flat Space-Time.

S.-s. Chern

# Selected Papers

The papers in this volume comprise approximately a third of S.-s. Chern's total mathematical work to date. The selection has been made by the author himself, preference being given to his shorter and less accessible papers. In addition to the papers, the volume contains two articles by Phillip Griffiths and André Weil and a "Summary of My Scientific Life and Works" by Shiing-shen Chern himself.

S.-s. Chern

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