Flattened Flexible Non-blocking Switching Node with Quantum and Classic Optic Coexistence

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Abstract: LaTeX users preparing manuscripts for OSA meetings or conferences should use the new `osameet2.sty` style file and should observe the guidelines described here to adhere to OSA requirements. Users of BibTeX may use the `osajnl.bst` style file, which is included in this distribution. Comments and questions should be directed to the OSA Technical Papers Department (tel: +1 202.416.6191, e-mail: cstech@osa.org).

OCIS codes: 000.0000, 999.9999.

1. Main Text

1.1. Typographical Style

Margins and type size will be set by the OSA LaTeX commands for title, author names and addresses, abstract, references, captions, and so on. The `osameet2.sty` package references `mathptmx.sty` for Times text and math fonts. Authors who require Computer Modern font may modify the style file or, preferably, invoke the package `ae.sty` or similar for optimum output with Computer Modern.

1.2. Author Names and Affiliations

Author names should be given in full with first initials spelled out to assist with indexing. Affiliations should follow the format division, organization, and address—and complete postal information should be given. Abbreviations should not be used. United States addresses should end with ", USA."

1.3. Abstract

The abstract should be limited to no more than words. It should be an explicit summary of the paper that states the problem, the methods used, and the major results and conclusions. If another publication author is referenced in the abstract, abbreviated information (e.g., journal, volume number, first page, year) must be given in the abstract itself, without a reference number. (The item referenced in the abstract should be the first cited reference in the body.)

1.4. OCIS Subject Classification

Two Optics Classification and Indexing Scheme (OCIS) subject classifications should be placed at the end of the abstract with the `\ocis{}` command. OCIS codes can be found at http://www.osapublishing.org/submit/ocis/.

1.5. Notation

1.5.1. General Notation

Notation must be legible, clear, compact, and consistent with standard usage. In general, acronyms should be defined at first use.

1.5.2. Math Notation

Equations should use standard LaTeX or AMSLaTeX commands (sample from Krishnan *et al.* [1]).

$$\begin{aligned} \bar{\varepsilon} &= \frac{\int_0 \infty \varepsilon \exp(-\beta\varepsilon)\,\mathrm{d}\varepsilon}{\int_0 \infty \exp(-\beta\varepsilon)\,\mathrm{d}\varepsilon} \\ &= -\frac{\mathrm{d}}{\mathrm{d}\beta}\log\left[\int_0 \infty \exp(-\beta\varepsilon)\,\mathrm{d}\varepsilon\right] = \frac{1}{\beta} = kT. \end{aligned} \tag{1}$$

2. Tables and Figures

Figures and illustrations should be incorporated directly into the manuscript, and the size of a figure should be commensurate with the amount and value of the information conveyed by the figure.

Fig. 1. Sample figure with preferred style for labeling parts.

Table 1. Sample Table

One	Two	Three
Eins	Zwei	Drei
Un	Deux	Trois
Jeden	Dvě	Tři

No more than three figures should generally be included in the paper. Place figures as close as possible to where they are mentioned in the text. No part of a figure should extend beyond text width, and text should not wrap around figures.

3. References

References should be cited with the `\cite{}` command. Bracketed citation style, as opposed to superscript, is preferred [1–7]. The `osameet2.sty` style file references `cite.sty`. Comprehensive journal abbreviations are avail-

able on the CrossRef web site: http://www.crossref.org/titleList/.

References

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4. B. L. Shoop, A. H. Sayles, and D. M. Litynski, "New devices for optoelectronics: smart pixels," in *Handbook of Fiber Optic Data Communications*, C. DeCusatis, D. Clement, E. Maass, and R. Lasky, eds. (Academic, 1997), pp. 705–758.
5. R. E. Kalman,"Algebraic aspects of the generalized inverse of a rectangular matrix," in *Proceedings of Advanced Seminar on Generalized Inverse and Applications*, M. Z. Nashed, ed. (Academic, 1976), pp. 111–124.
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