

Formatting Guidelines for the 2007 Montana FOPS Conference

Rolf Binder¹ and Hailin Wang²

¹College of Optical Sciences, University of Arizona, Tucson, AZ 85721
Phone (520) 621-2892, e-mail: rbinder@u.arizona.edu

²Department of Physics and Oregon Center for Optics, University of Oregon, Eugene, OR 97403
Phone: (541) 346-4758, e-mail: hailin@oregon.uoregon.edu

In recent years, interest in guidelines and formatting aides for abstract submissions to scientific workshops and conferences has grown significantly. The main purpose of the guidelines is to reduce the aesthetic disorder parameter g_a . In this contribution, we review formatting guidelines for the upcoming 2007 Montana Conference on Fundamental Optical Properties of Semiconductors (FOPS), including margins, font sizes, equations, figures, references and other relevant information. The goal of this contribution is to reduce g_a of the FOPS 2007 Abstract Booklet below the critical value. As an important result, we present a rigorous upper bound for the maximum number of pages allowed, P_{\max} .

The abstract format should be Letter-type (8½" x 11") with one-inch margins on all sides. Font sizes should be as follows: title 16-point type (bold), authors 10-point type (bold), affiliations 8-point type, body of text 10-point type, references 8-point type. Titles should use title case (i.e. proper names and acronyms should be capitalized). Figure captions (see Fig. 1) should be 10-point type (italics). Formatting can easily be done with Microsoft Office Word or LaTeX (see, e.g., Ref. [1]). Please note that the only accepted file type is pdf.

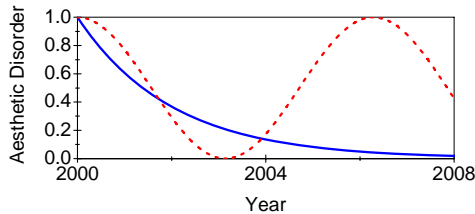


Fig. 1: Example of color figure with line styles (solid blue line and dashed red line) chosen such that the lines can be distinguished even when the abstract is reproduced on conventional black-and-white copy machine.

We have calculated the maximum number of pages per abstract from the generally accepted formula

$$P_{\max} \leq \sum_{n=0}^{\infty} \frac{1}{2n+1} \frac{2}{2n+3} \quad (1)$$

From highly accurate numerical evaluations of Eq. (1), we found an initial estimate $P_{\max} \leq 315$. However, further investigations revealed the following analytical solution: $P_{\max} \leq 1$. In other words, each abstract consists of only one page. No page number should appear on the abstract.

In summary, we have presented formatting guidelines for the FOPS 2007 submissions. Each submission is limited to one page, which should be submitted as a pdf file.

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REFERENCES

[1] L. Lamport, *LaTeX – User’s Guide & Reference Manual* (Addison-Wesley, Reading, 1986).