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Manuscript Specifications

- Manuscripts should be a minimum of 6 single-column pages in length (suggested maximum of 15 pages). The manuscript must contain all elements of a full-length technical manuscript (abstract, intro, conclusion, references, etc.)
- Single-space all text in one column, allowing extra space between paragraphs.
- All text—including footnotes and author information—and illustrations must appear within a 6.75x8.75 in. (17.15 x 22.23 cm) area.
 - If you use a U.S.-standard page (8.5 x 11 in./21.59 x 27.94 cm), set margins to .875 in. (2.22 cm) left and right, 1.0 in. (2.54 cm) top and 1.25 in. (3.17 cm) bottom.
 - If you use an A4 page, set margins to 1.925 cm left and right, 2.54 cm top, and 4.94 cm bottom.
- Use Times Roman or equivalent font for all text. Use boldface or italic for emphasis only. The proper fonts (all Times Roman) for various elements are as described and shown below along with more detail on how to handle elements of your paper.

Article title is 16 pt bold. Center the paper title at the top of the page. Capitalize only the first word, proper nouns, and acronyms. Keep titles brief and descriptive. Avoid starting with articles or prepositions, e.g., "The study of ...", "On the" Spell out acronyms unless they are widely known.

Author Names and Affiliations are 12 pt and centered. Capitalize proper nouns. Leave extra space between authors and affiliations/address. Omit titles or degrees such as Dr., Prof., Ph.D., etc. Avoid acronyms that are not internationally known.

ABSTRACT is on a line by itself, all capitals, centered, 11-point type and boldfaced, two lines below author affiliation(s). Start the text of the abstract on a separate line. The text is 10 pt with standard capitalization. Limit the abstract to 250 words.

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For the first occurrence (other than for commonly used acronyms such as IR, CCD, MTF, etc.), spell out each word followed by the acronym in parentheses, e.g., liquid phase epitaxy (LPE) or Extreme Ultraviolet Explorer (EUVE).

Equations

Type all equations. Punctuate as a sentence. Type display equation numbers in Arabic numerals in parentheses flush with the right margin. Number display equations consecutively.

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Type reference citations within the text as superscripts.

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[1] Booth, N. and Smith, A. S., [Infrared Detectors], Goodwin House Publishers, New York & Boston, 241-248 (1997).

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- **For a journal paper:** authors (last name first, then initials), "paper title" (in quotes), journal abbreviation, volume number(issue), page numbers (year).

[2] Davis, A., R., Bush, C., Harvey, J. C. and Foley, M. F. , "Fresnel lenses in rear projection displays," SID Int. Symp. Digest Tech. Papers 32(1), 934-937 (2001).

- **For a proceedings paper:** authors (last name first, then initials), "paper title" (in quotes), proceedings volume name and/or number, page numbers (year).

[3] Van Derlofske, J. F., "Computer modeling of LED light pipe systems for uniform display illumination," Proc. SPIE 4445, 119-129 (2001).

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