Deferrable Server

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*Abstract*—This paper introduces Deferrable Server algorithm which is to improve aperiodic response time. It assigns higher priority aperiodic task to be completed by delaying the completion time of periodic task ,so that the deadline for aperiodic tasks are met. Real-time system has both aperiodic and periodic tasks This paper also explains how deferrable server give impacts to aperiodic jobs compared to polling server. Since aperiodic tasks can arrive at any time, deferrable server is one of many ways to optimize a schedule with aperiodic task.

# Introduction (*Heading 1*)

In the 21st century, the world full of advanced technology, people keep doing new inventions and innovations, so that every job or task will be eased to handle. In real time systems, an integrated and consistent approach to scheduling is required, so that enable to meet the time requirements of periodic task. The scheduling algorithm is created and applied either to periodic tasks or aperiodic tasks but not for both. Deferrable Server algorithm is an algorithm for aperiodic tasks that can improve aperiodic time response performance during scheduling process.

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1. G. Eason, B. Noble, and I. N. Sneddon, “On certain integrals of Lipschitz-Hankel type involving products of Bessel functions,” Phil. Trans. Roy. Soc. London, vol. A247, pp. 529–551, April 1955. *(references)*
2. J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
3. I. S. Jacobs and C. P. Bean, “Fine particles, thin films and exchange anisotropy,” in Magnetism, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350.
4. K. Elissa, “Title of paper if known,” unpublished.
5. R. Nicole, “Title of paper with only first word capitalized,” J. Name Stand. Abbrev., in press.
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7. M. Young, The Technical Writer’s Handbook. Mill Valley, CA: University Science, 1989.

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