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Digital Signal Processing

Alan V. Oppenheim, Professor of Electrical Engineering and Computer Science, MIT

$$x(n) = \sum_{k=-\infty}^{+\infty} x(k) \delta(n-k)$$
$$y(n) = \sum_{k=-\infty}^{+\infty} x(k) h(n-k)$$
$$y(n) = \sum_r x(n-r) h(r)$$

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A supplementary proceedings containing papers about in progress work was published as a 2004 technical report of the School of Computing at the University of Utah. The organizers are grateful to Al Davis, Thomas Hales and Ken McMillan for agreeing to give invited talks at TPHOLs 2004. The TPHOLs conference traditionally changes continents each year in order to maximize the chances that researchers from around the world can attend.

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New Developments in Sensing Technology for Structural Health Monitoring Subhas Chandra Mukhopadhyay, 2011-07-14. The book has focussed on the different aspects of sensing technology i.e. high reliability, adaptability, recalibration, information processing, data fusion, validation and integration of novel and high performance sensors. Specifically, it aims to use to inspect mechanical health of structure and similar applications. This book is dedicated to Sensing systems for Structural Health Monitoring offers to variety of users namely Master and PhD degree students, researchers, practitioners especially Civil and Construction engineers. The book will provide an opportunity of a dedicated and a deep approach in order to improve their knowledge in this specific field.

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