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tion Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 4-23-92		3. REPORT TYPE AND DATES COVERED Annual Technical 4/1/91 - 3/31/92	
4. TITLE AND SUBTITLE Numerical & Symbolic Signal Representation and Processing				5. FUNDING NUMBERS N00014-89-J-1489 4119351-04	
6. AUTHOR(S) Prof. Alan Oppenheim				8. PERFORMING ORGANIZATION REPORT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Research Laboratory of Electronics Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02139				10. SPONSORING / MONITORING AGENCY REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) Office of Naval Research 800 North Quincy Street Arlington, VA 22217				11. SUPPLEMENTARY NOTES The view, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.	
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution unlimited.				12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) Work by Prof. Oppenheim and his collaborators is summarized here.					
14. SUBJECT TERMS				15. NUMBER OF PAGES	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED		18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED		19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	
				20. LIMITATION OF ABSTRACT UL	

Standard Form 298 (Rev. 2-89)
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298-102

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves comparing the actual outcomes with the original objectives and goals to determine the success of the project.

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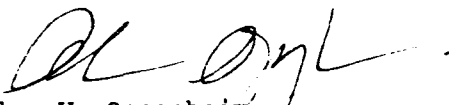
April 17, 1992

Group Leader-Information Sciences
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800 North Quincy Street
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During the period of April 1, 1991, through March 31, 1992, our research activities focussed on continuing work on symbolic signal processing, new algorithms for signal analysis, and new signal representations based on wavelet analysis.

Our work on this contract during the past year has been reported in detail in the technical literature through technical reports, conference proceedings, and journal articles. Copies of these reports have been provided to the contract monitor and other offices as specified in the contract. Additional copies are available on request.

Sincerely yours,


Alan V. Oppenheim
Distinguished Professor
of Electrical Engineering

AVO/dag

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Publications supported in Whole or in Part by the Defense Advanced Research Projects Agency monitored by the Office of Naval Research under Grant N00014-89-J-1489:

Articles Submitted for Publication or To Be Published

- [1] Paul E. Beckmann and Bruce R. Musicus, "Fast Fault-Tolerant Digital Convolution via a Winograd Algorithm", submitted to IEEE Trans. on Signal Processing.
- [2] Ehud Weinstein, Meir Feder, and Alan V. Oppenheim, "Multi-Channel Signal Separation Based on Decorrelation", submitted to IEEE Trans. on Signal Processing.
- [3] Gregory W. Wornell, "Wavelet-Based Representations for the 1/f Family of Fractal Processing", submitted to Proceedings of the IEEE-Special Section on Applications of Fractals in Electrical Engineering.
- [4] Daniel T. Cobra, Alan V. Oppenheim, and Jules J. Jaffe, "Geometric Distortions in Side-Scan Sonar Images: A Procedure for Their Estimation and Correction", submitted to the IEEE Journal of Oceanic Engineering.

Published Articles

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