

# List of Publications

P. P. Vaidyanathan, California Institute of Technology

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## Reviewed journal articles

- 1) P. P. Vaidyanathan and S. K. Mitra, "On the construction of a digital transfer function from its real part on the unit circle," Proc. of the IEEE, vol. 70, pp. 198-199, February 1982 *correspondence item*.
- 2) P. P. Vaidyanathan and S. K. Mitra, "Low passband sensitivity digital filters: A generalized viewpoint and synthesis procedures," Proceedings of the IEEE, vol. 72, pp. 404-423, April 1984.
- 3) A. Kundu, S. K. Mitra and P. P. Vaidyanathan, "Application of two-dimensional generalized mean filtering for removal of impulse noise from images," IEEE Trans. on Acoustics, Speech and Signal Processing," vol. ASSP-32, pp. 600-609, June 1984.
- 4) P. P. Vaidyanathan, "On maximally flat linear phase FIR filters," IEEE Trans. on Circuits and Systems, vol. CAS-31, pp. 830-832, September 1984 (*correspondence item*).
- 5) P. P. Vaidyanathan, "On error spectrum shaping in state space digital filters," IEEE Trans. on Circuits and Systems, vol. CAS-32, pp. 88-92, January 1985.
- 6) P. P. Vaidyanathan, "The doubly terminated lossless digital two-pair in digital filtering," IEEE Trans. on Circuits and Systems, vol. CAS-32, pp. 197-200, February 1985.
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- 8) P. P. Vaidyanathan and S. K. Mitra, "Passivity properties of low-sensitivity digital filter structures," IEEE Trans. on Circuits and Systems, vol. CAS-32, pp. 217-224, March 1985.
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- 12) P. P. Vaidyanathan, "A unified approach to orthogonal digital filters and wave digital filters, based on LBR two-pair extraction," IEEE Trans. on Circuits and Systems, vol. CAS-32, pp. 673-686, July 1985.
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  - 16) P. P. Vaidyanathan and S. K. Mitra, “A general family of multivariable digital lattice filters,” IEEE Trans. on Circuits and systems, vol. CAS-32, pp. 1234-1245, Dec. 1985.
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  - 18) P. P. Vaidyanathan and S. K. Mitra, “Synthesis of arbitrary digital transfer functions using allpass-based structures derived via LBR two-pair extraction procedure,” Circuits, Systems and Signal Processing, vol. 5, No. 3, pp. 343-370, 1986.
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