



Fig. 4. Convergence profile for PSOCTPWA in case of 10th order low-pass FIR filter

VI. CONCLUSION

This paper presents an alternative approach for FIR filter design using PSOCTPWA. Filters of orders 20 and 50 have been realized using GA as well as PSOCTPWA. Extensive simulation results justify that the proposed algorithm outperforms GA in the accuracy of the magnitude response of the filter as well as in the convergence speed.

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