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Figure 1: Example of a minimax third order polynomial that conforms to the Chebychev criteria The minimax polynomial can be computed analytically up to $n = 1$. For higher order a numerical method due to Remez [2] has to be employed. Remez algorithm is an iterative algorithm. We start the first iteration

Minimax Approximations and the Remez Algorithm - 1.49.0

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THE REMEZ ALGORITHM

Barycentric-Remez algorithms for best polynomial ... Chebyshev or minimax approximation to f . Discussions of this problem can be found in every book on approximation theory [11, 15, 26, 30, 31, 37, 42]. Starting with Chebyshev himself, the best approximation problem was studied Minimax Approximation of Sign Function by Composite Polynomial for Homomorphic Comparison. Eunsang ... that approximate the sign function in the homomorphic encryption by using composite polynomials of the minimax approximate polynomials, which are constructed by the modified Remez algorithm. It is proved that ...

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Remez algorithm - Wikipedia

The Remez algorithm is an iterative procedure which can be used to find best polynomial approximations in the minimax sense. We present and explain relevant theory on minimax approximation. After doing so, we state the Remez algorithm and give several examples created by our Matlab implementation of the algorithm. We conclude by presenting a

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Truncated Chebyshev series, however, closely approximate the minimax polynomial. One popular minimax approximation algorithm is the Remez algorithm. External links. Minimax approximation algorithm at MathWorld; References

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The Remez Method - 1.46.1

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