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## CONVERGENCE OF SINGLE TERM HAAR WAVELET SERIES METHOD FOR LINEAR SINGULAR SYSTEMS

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### Abstract

This paper presents the theory on the convergence of single term Haar wavelet series (STHWS) and hence the stability of the method is proved by applying the method to linear singular systems. Further, a numerical example is solved by using STHWS method to illustrate the advantage of the present theory. This method is both highly accurate and stable.

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