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## Certificate

*It is here by certified that the paper ID : IJRASET66678, entitled*

*Analysis of Different Noise Reduction Effects of Ground Penetrating Radar Image of  
Cavity Behind Tunnel Primary Support Based on Singular Value Decomposition and Wavelet  
Transform*

*by*

*Chao Zhou*

*after review is found suitable and has been published in  
Volume 13, Issue I, January 2025*

*in*

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*(International Peer Reviewed and Refereed Journal)*

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