

International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com



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



ISRA Journal Impact Factor: **7.429**









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

in

By were

(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

RASET

International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com







ISRA Journal Impact Factor: **7.429**









By were

ISSN No.: 2321-9653



International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com



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 Liang Zhang



ISRA Journal Impact Factor: **7.429**









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

in

By were

(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

RASET

International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com







ISRA Journal Impact Factor: **7.429**









By were

ISSN No.: 2321-9653



International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com



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 Sheng Zhang



ISRA Journal Impact Factor: **7.429**









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

in

By were

(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

RASET

International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com







ISRA Journal Impact Factor: **7.429**









By were

ISSN No.: 2321-9653



International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com



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 Shao Xun Wu



ISRA Journal Impact Factor: **7.429**









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

in

By were

(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

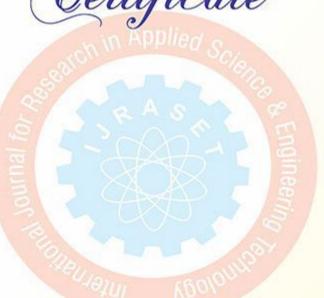
JRASET

International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI: 10.22214

Website: www.ijraset.com, E-mail: ijraset@gmail.com







ISRA Journal Impact Factor: **7.429**









By were

ISSN No.: 2321-9653