SciVerse ScienceDirect Scopus SciTopics Applications	Register Login Go to SciVal S
earch Sources Analytics My alerts My list My settings	Live Chat H
uick Search Search	
View search history Back to results < Previous 8 of 56 Next >	
Download PDF Export Print E-mail Create bibliography Add to My List	Cited by since 1996
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010	This article has been cited 0 times in Scopus.
Volume 5, 2010, Pages 221-226	Inform me when this document is cited in Scopus:
ISBN: 978-079184919-4 View references (19)	Set alert Set feed
DOI: 10.1115/ESDA2010-24624 Document Type: Conference Paper Source Type: Conference Proceeding Sevencers / SMME Turknes Conference	Related documents
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010; Istanbul; 12 July 2010 through	Showing the 2 most relevant related documents by all shared references:
14 July 2010; Code 84828 View at publisher	
Sensitivity analysis of the rectangular trenches employed in suppression of the high-speed train-induced ground vibrations	Kanstrom, A., Bostrom, A. Efficiency of trenches along railways for trains moving at sub- or supersonic speeds (2007) Soil Dynamics and Earthquake Engineering
Younesian, D., Sadri, M. 🛦	Karlström, A.
School of Railway Engineering, Iran University of Science and Technology, Tehran 16846-13114, Iran	On the modelling of train induced ground vibrations with analytical methods (2006) Doktorsavhandlingar vid Chalmers Tekniska Hogskola
Ground vibrations generated by high-speed trains are studied in this paper. Open trenches are included in modeling and	View all related documents based on all shared references or select the shared references to use
with finite layers and the high-speed train is simulated by moving loads. The analytical solution is obtained in frequency domain and the high-speed train is simulated by moving loads. The analytical solution is obtained in frequency	
ratios and distance from the track centerline. A parametric study is then carried out and effects of different parameters including the train speed and ground properties on vibration reduction factors are investigated. © 2010 by ASME.	Find more related documents in Scopus based on: Authors Keywords
Language of original document	My Applications
English	Add
Index Keywords	🏹 More By These Authors 🔍 🗖 🌣
Analytical solutions; Centerlines; Elasticity theory; Frequency domains; Ground vibration; High speed trains; High-speed; Moving load; Parametric study; Peak particle velocities; Rectangular trench; Semi-infinite domains; Train speed; Vibration reductions Engineering controlled terms: Aspect ratio; Elasticity; Railroad cars; Railroads; Sensitivity analysis; Systems analysis	The authors of this article have a total of 55 records in Scopus: (Showing 5 most recent)
Engineering main nearing. vibration analysis	Ansari, M.,Esmailzadeh, E.,Younesian, D.
References (19) View in table layout	Frequency analysis of finite beams on nonlinear
Export Print E-mail Create bibliography	KelvinVoight foundation under moving loads (2011) Journal of Sound and Vibration
F Select: Page	Nedefi I/ Mandashisis A Nebisedah D Vavassias
1 Segol, Genevieve, Lee, Peter C.Y., Abel, John F. AMPLITUDE REDUCTION OF SURFACE WAVES BY TRENCHES	Nadari, K.,Mesdagninia, A.,Nabizaden, R.,Younesian, M.,Rad, M.J.
(1978) ASCE J Eng Mech Div, 104 (3), pp. 621-641. Cited 31 times.	The combination and optimization study on RB29
	dye removal from water by peroxy acid and single-
2 Yang, YB., Hung, HH. A parametric study of wave barriers for reduction of train-induced vibrations (1997) International Journal for Numerical Methods in Engineering, 40 (20), pp. 3729-3747. Cited 34 times. View at publisher	
3 Hung, H.H., Yang, Y.B., Chang, D.W. Wave barriers for reduction of train-induced vibrations in soils (2004) Journal of Geotechnical and Geoenvironmental Engineering, 130 (12), pp. 1283-1291. Cited 6 times. doi: 10.1061/(ASCE)1090-0241(2004)130:12(1283)	
View at publisher	
4 Yang, YB., Hung, HH. A 2.5D finite/infinite element approach for modelling visco-elastic bodies subjected to moving loads (2001) International Journal for Numerical Methods in Engineering, 51 (11), pp. 1317-1336. Cited 40 times. doi: 10.1002/nme.208	
View at publisher	
5 Shrivastava, R.K., Kameswara Rao, N.S.V. Response of soil media due to impulse loads and isolation using trenches (2002) Soil Dynamics and Earthquake Engineering, 22 (8), pp. 695-702. Cited 15 times. doi: 10.1016/S0267-7261(02)00060-X	
View at publisher	
6 Takemiya, H.	
Field vibration mitigation by honeycomb WIB for pile foundations of a high-speed train viaduct (2004) Soil Dynamics and Earthquake Engineering, 24 (1), pp. 69-87. Cited 29 times. doi: 10.1016/j.soildyn.2003.07.005	

Top of page

Live Chat Help

£

ELSEVIER

	View at publisher			
7	Emad, Kayumars, Manolis, George D. SHALLOW TRENCHES AND PROPAGATION OF SURFACE WAVE (1985) Journal of Engineering Mechanics, 111 (2), pp. 279-282. Cited 24 tin	ES. nes.		
	View at publisher			
8	8 Ahmad, S., Al-Hussaini, T.M. Simplified design for vibration screening by open and in-filled trenches (1991) Journal of geotechnical engineering, 117 (1), pp. 67-88. Cited 63 times.			
	View at publisher			
9	Leung, K.L., Vardoulakis, I.G., Beskos, D.E., Tassoulas, J.L. Vibration isolation by trenches in continuously nonhomogeneou (1991) Soil Dynamics and Earthquake Engineering, 10 (3), pp. 172-179. Citu	s soil by the BEM ed 21 times.		
	View at publisher			
10	Peplow, A.T., Jones, C.J.C., Petyt, M. Surface vibration propagation over a layered elastic half-space w (1999) <i>Applied Acoustics</i> , 56 (4), pp. 283-296. Cited 22 times.	vith an inclusion		
	View at publisher			
11	Al-Hussaini, Tahmeed M., Ahmad, Shahid Design of wave barriers for reduction of horizontal ground vibration (1991) Journal of geotechnical engineering, 117 (4), pp. 616-636. Cited 29 times.			
	View at publisher			
12	Banerjee, P.K., Ahmad, S., Chen, K. Advanced application of BEM to wave barriers in multi-layered th (1988) Earthquake Engineering & Structural Dynamics, 16 (7), pp. 1041-106	rree- dimensional soil media 50. Cited 20 times.		
	View at publisher			
13	3 Ahmad, S., Al-Hussaini, T.M., Fishman, K.L. Investigation on active isolation of machine foundations by open trenches (1996) Journal of Geotechnical and Geoenvironmental Engineering, 122 (6), pp. 454-461. Cited 39 times.			
14	 Al-Hussaini, T.M., Ahmad, S. Active isolation of machine foundations by in-filled trench barriers (1996) <i>Journal of Geotechnical and Geoenvironmental Engineering</i>, 122 (4), pp. 288-294. Cited 27 times. 			
15	15 Klein, R., Antes, H., Le Houédec, D. Efficient 3D modelling of vibration isolation by open trenches (1997) Computers and Structures, 64 (1-4), pp. 809-817. Cited 19 times.			
	View at publisher			
16	16 Kattis, S.E., Polyzos, D., Beskos, D.E. Vibration isolation by a row of piles using a 3-D frequency domain BEM (1999) International Journal for Numerical Methods in Engineering, 46 (5), pp. 713-728. Cited 65 times.			
	View at publisher			
17 Andersen, L., Nielsen, S.R.K. Reduction of ground vibration by means of barriers or soil improvement along a railway track (2005) Soil Dynamics and Earthquake Engineering, 25 (7-10), pp. 701-716. Cited 19 times. doi: 10.1016/j.soildyn.2005.04.007				
	View at publisher			
18 Karlström, A., Boström, A. An analytical model for train-induced ground vibrations from railways (2006) Journal of Sound and Vibration, 292 (1-2), pp. 221-241. Cited 18 times. doi: 10.1016/j.jsv.2005.07.041				
View at publisher				
19 Karlström, A., Boström, A. Efficiency of trenches along railways for trains moving at sub- or supersonic speeds (2007) Soil Dynamics and Earthquake Engineering, 27 (7), pp. 625-641. Cited 4 times. doi: 10.1016/j.soildyn.2006.12.005				
View at publisher				
Younesian, D.; School of Railway Engineering, Iran University of Science and Technology, Tehran 16846-13114, Iran Copyright 2011 Elsevier B.V., All rights reserved.				
ASME 2	ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010			
Volume 5, 2010, Pages 221-226				
View search history Back to results < Previous 8 of 56 Next >				
Search Sources Analytics My alerts My list My settings				
About What i	Scopus Contact and Support is Scopus Contact and support	About Elsevier About Elsevier About Selvier		
What of Latest Tutoria Develo	do users think als opers	About SciVal Terms and Conditions Privacy Policy		

Copyright @ 2011 Elsevier B.V. All rights reserved. SciVerse® is a registered trademark of Elsevier Properties S.A., used under license. Scopus® is a registered trademark of Elsevier B.V.