

magnify, which is even originally large in the long period. This suggests that for the structure system with a long natural period we should take the displacement response spectrum into consideration.

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References

1) G. W. Housner et al.: Spectrum Analysis of

Strong Motion Earthquakes, Bull. Seism. Soc. Am., **43-2**, 1953-4  
 2) H. Tajimi: Basic Theories on Aseismic Design of Structure (in Japanese), Rep. IIS, Univ. of Tokyo, **8-4**, 1959-3  
 3) K. Kanai: Semi-empirical Formula for the Seismic Characteristic of the Ground, Bull. ERI, Univ. of Tokyo, **35**, 1957-6  
 4) H. Sato: A Study on Aseismic Design of Machine Structure (in Japanese), Rep. IIS, Univ. of Tokyo, **15-1**, 1965-11  
 5) S. O. Rice: Mathematical Theory of Random Noise, BSTJ, **24**, 1945  
 6) G. C. Newton Jr. et al.: Analytical Design of Linear Feedback Controls, John Wiley, 1957

正誤表 (10月号)

ページ	段	行	種別	正	誤
3	左	下4	本文	$\alpha = 2D_{ii}\lambda^2/a^2\beta_{pi} = 2h^2R^1\lambda^2/9t_0$	$\alpha = D_{ii}\lambda^2/a^2\beta_{pi} = h^2R^1\lambda^2/9t_0$
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24	"	16	"	various estimations.....	various of estimation.....
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38	左	20	"	$\omega^2 = m/g \times$	$\omega^2 = m/g$
39			報告刊行予告	第19巻 第5号	第19巻 第4号
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