

Do not swing farther earthquake ? - Exploring the distance attenuation and site effect around Tokyo -

*Masahiro Saito¹

1.Tokyo Metropolitan Ryogoku Senior High School

There are three elements in the mechanism of seismic ground motion. It is a thing about a source region, propagation path and ground condition. To separate influence of propagation path and ground condition, I acquire the attenuation of seismic wave according to distance in a frequency domain, and compare Kanto region with Hokkaido region. Based on the characteristics of the attenuation in a high frequency domain, I investigate the effect of sedimentary structures around Tokyo.

Keywords: distance attenuation, site effect , Kanto

(図) 周波数別の距離減衰

