

SUPPLEMENTAL MATERIALS

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Sands Subjected to Repetitive Loading Cycles and Associated Granular Degradation

Junghee Park and J. Carlos Santamarina

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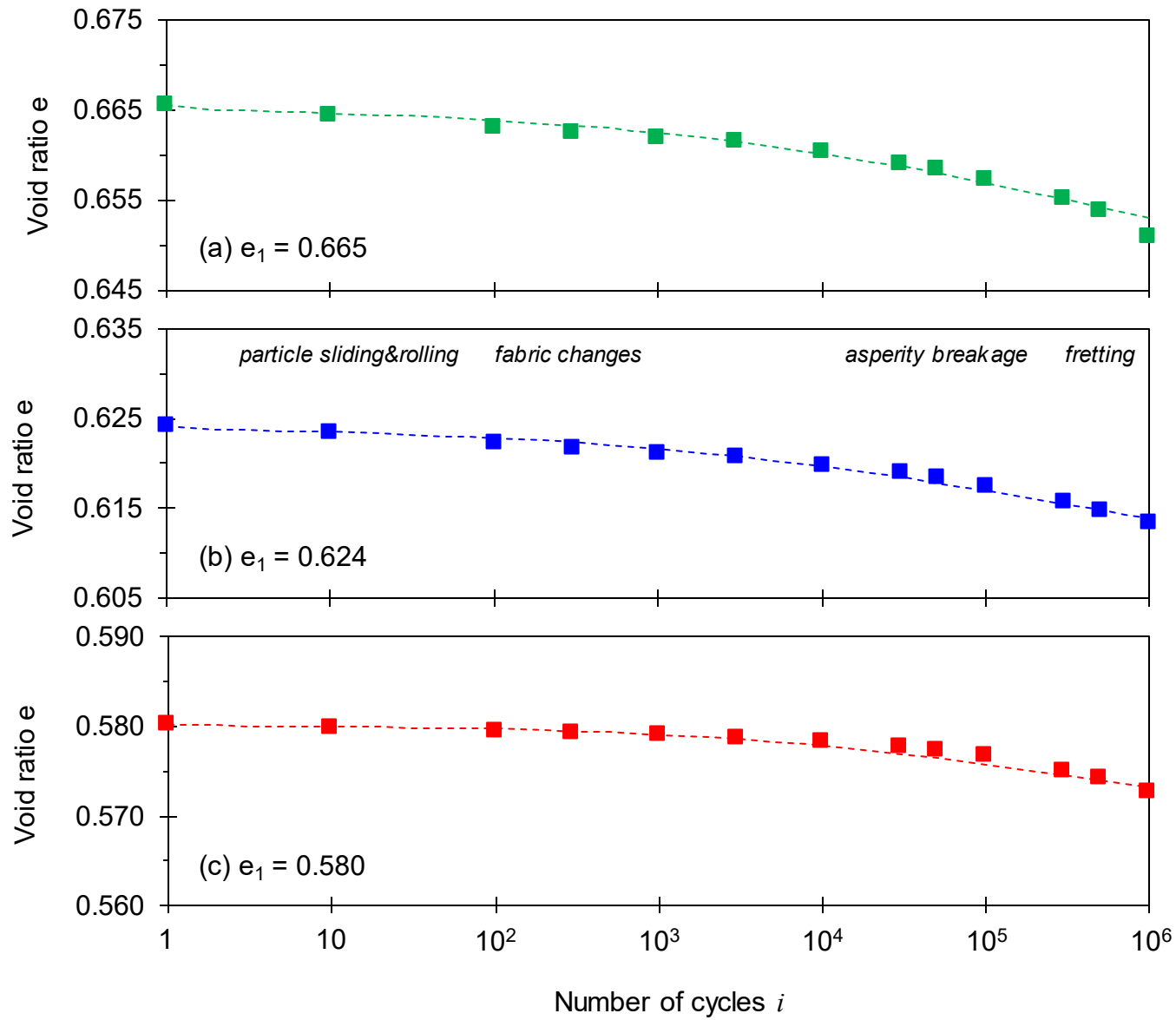


Fig. S1. Complementary low-stress amplitude study conducted with Ottawa 20/30 sand to $N=10^6$ cycles. (a, b, c) Test #9, #10 and #11 in Table 2. For reference, the extreme void ratios are $e_{\min} = 0.502$ and $e_{\max} = 0.742$.

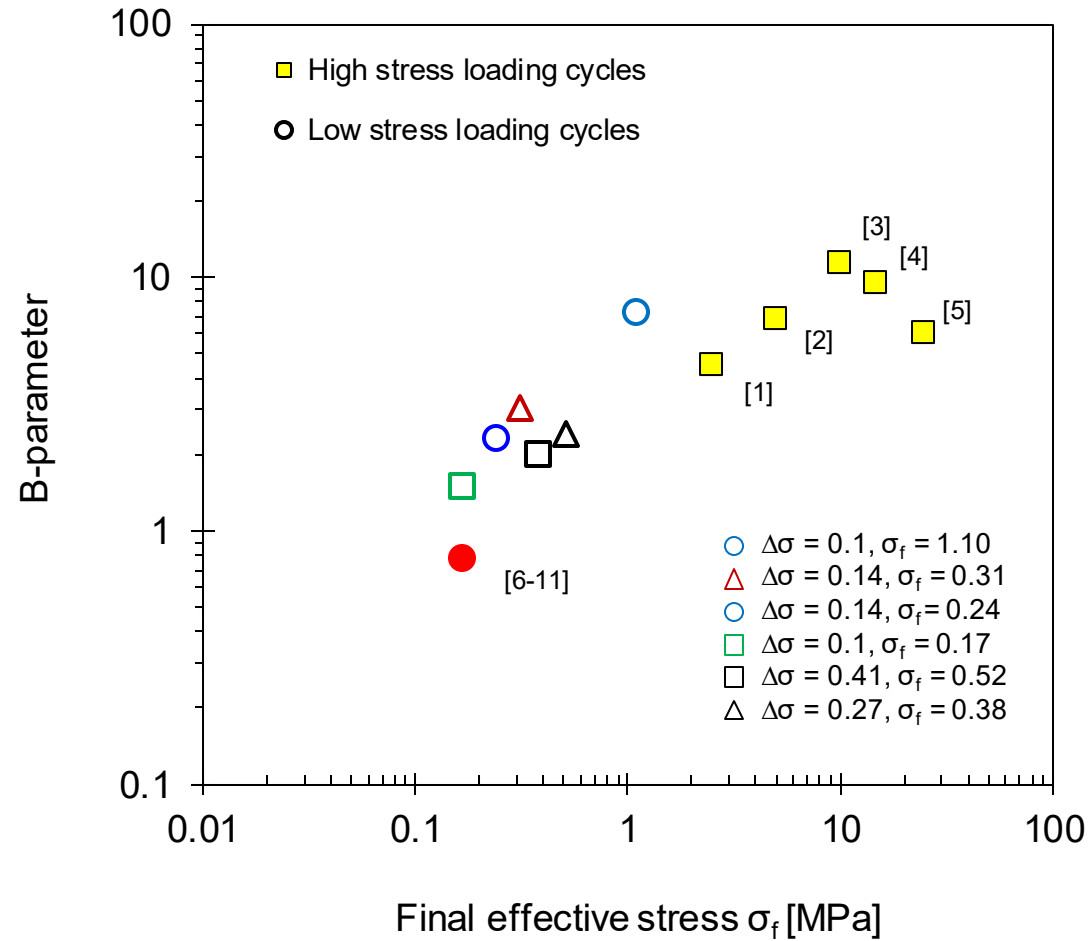


Fig. S2. B-parameter versus peak cyclic effective stress (Equation 4). Filled symbols indicate the B-parameters for this study and open symbols correspond to the B-parameters for data collected from published studies (Figure 10b). Numbers in square brackets [#] correspond to the test number (details in Table 2).