



Group No.	Roughness (μm)	Cyclic normal force (MPa)
#1		s Cyclic normal force (MPa) 6.37 \pm 0.64 (10%) 6.37 \pm 0.13 (2%) 6.37 \pm 0.38 (6%) 6.37 \pm 1.02 (16%) 6.37 \pm 1.27(20%)
#2	6.21±2.62	6.37±0.64 (10%)
#3		6.37±0.64 (10%)
#4		6.37±0.64 (10%)
#5		6.37±0.64 (10%)
#6		6.37±0.13 (2%)
#7		6.37±0.38 (6%)
#8		6.37±1.02 (16%)
#9		6.37±1.27(20%)

SEM-EDS

9 5 Frequencies + 5 Amplitudes

Experimental scheme

Influence of cyclic normal stress on shear friction of EGS granite fractures







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