

# Supplementary Material

## Active vibration isolation based on absolute-relative dynamic stiffness control via multi-sensor information fusion

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**Table S1** List of symbols

Symbol	Description
$H_1, H_2, H_3$	Signal acquisition stage of the geophone
$Q_{LP1}, Q_{LP2}$	Low-pass stage of signal acquisition
$Q_{RBP}$	Band-pass stage of signal acquisition
$c_r$	Relative damping
$k_r$	Relative stiffness
$k_m$	Relative negative stiffness
$c_a$	Absolute damping
$k_a$	Absolute stiffness