

Table 1: Experimental variables

Description	Symbol	Units
Velocity of fluid	V	$[LT^{-1}]$
Drag force on object	K	$[MLT^{-2}]$
Acoustic velocity	c	$[LT^{-1}]$
Gravitational acceleration	g	$[LT^{-2}]$
Surface tension	σ	$[MT^{-2}]$
Typical length of object	L	$[L]$
Density of fluid	ρ	$[ML^{-3}]$
Viscosity of fluid	ν	$[ML^{-1}T^{-1}]$