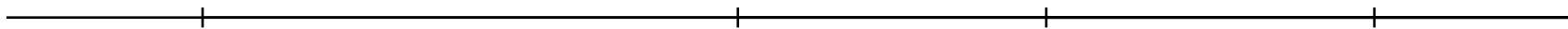


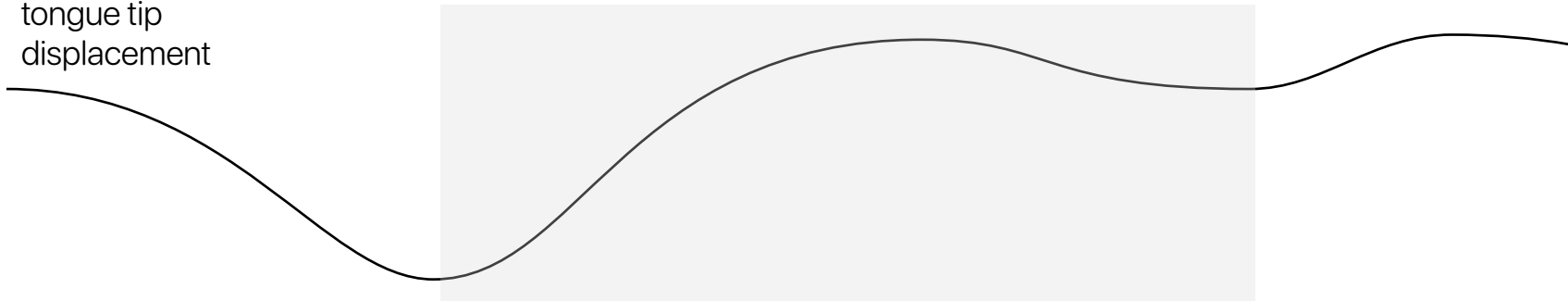
a

t

a



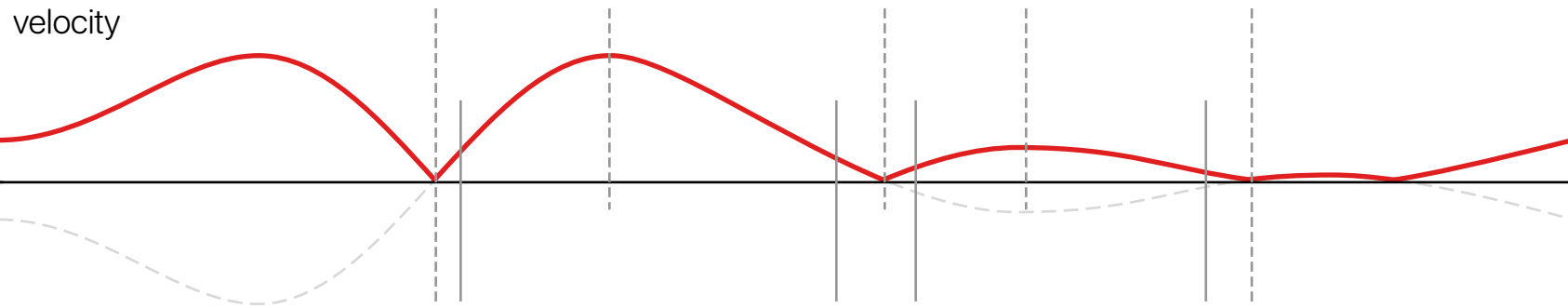
tongue tip  
displacement



maximum  
displacement

peak 1

peak 2



velocity

0

gesture  
onset

plateau  
onset

plateau  
offset

gesture  
offset