

TABLE A4 | Mean reaction times (in ms) and SEM as a function of Task Order (single Go/NoGo first – joint Go/NoGo second; joint Go/NoGo first – single Go/NoGo second), Task setup (joint Go/NoGo, single Go/NoGo), Stimulus Ball Position (compatible, incompatible), and Stimulus Screen Position (compatible, incompatible) for the one-element condition and nine-element condition, as well as the egocentric and allocentric Simon Effects (SE, in ms, SEM in parenthesis), from Experiment 2.

		Joint Go/NoGo Task setting	Individual Go/NoGo Task setting
One-element condition	Single Go/NoGo first (N = 22)	Stimulus Ball Position compatible – Stimulus Screen Position compatible	312.04 (±8.55)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	325.87 (±9.26)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	314.94 (±9.51)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	325.49 (±9.32)
	Egocentric SE (i.e., referring to Stimulus Screen Position)		12.19 (±2.76)
	Allocentric SE (i.e., referring to Ball Position)		1.26 (±1.93)
	Joint Go/NoGo first (N = 22)	Stimulus Ball Position compatible – Stimulus Screen Position compatible	315.05 (±7.70)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	327.70 (±8.49)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	316.57 (±7.98)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	324.72 (±7.86)
Egocentric SE (i.e., referring to Stimulus Screen Position)		10.40 (±2.59)	
Allocentric SE (i.e., referring to Ball Position)		-0.73 (±1.81)	
Nine-element condition	Single Go/NoGo first	Stimulus Ball Position compatible – Stimulus Screen Position compatible	318.25 (±10.68)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	312.37 (±10.86)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	307.63 (±10.74)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	311.18 (±10.71)
	Egocentric SE (i.e., referring to Stimulus Screen Position)		-1.17 (±2.07)
	Allocentric SE (i.e., referring to Ball Position)		-5.91 (±2.17)
	Joint Go/NoGo first	Stimulus Ball Position compatible – Stimulus Screen Position compatible	303.96 (±7.49)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	304.85 (±7.40)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	313.50 (±8.22)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	313.36 (±7.57)
Egocentric SE (i.e., referring to Stimulus Screen Position)		0.37 (±1.89)	
Allocentric SE (i.e., referring to Ball Position)		9.03 (±1.85)	
One-element condition	Single Go/NoGo first (N = 22)	Stimulus Ball Position compatible – Stimulus Screen Position compatible	336.93 (±9.79)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	334.87 (±8.80)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	333.41 (±9.63)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	334.27 (±9.25)
	Egocentric SE (i.e., referring to Stimulus Screen Position)		-0.60 (±2.04)
	Allocentric SE (i.e., referring to Ball Position)		-2.06 (±1.72)
	Joint Go/NoGo first (N = 22)	Stimulus Ball Position compatible – Stimulus Screen Position compatible	329.78 (±8.81)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	332.88 (±9.24)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	328.93 (±9.55)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	335.12 (±8.65)
Egocentric SE (i.e., referring to Stimulus Screen Position)		4.65 (±1.50)	
Allocentric SE (i.e., referring to Ball Position)		0.70 (±2.04)	
Nine-element condition	Single Go/NoGo first	Stimulus Ball Position compatible – Stimulus Screen Position compatible	335.40 (±10.75)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	334.96 (±10.54)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	330.34 (±10.66)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	330.62 (±10.55)
	Egocentric SE (i.e., referring to Stimulus Screen Position)		-0.08 (±2.26)
	Allocentric SE (i.e., referring to Ball Position)		-4.70 (±2.54)
	Joint Go/NoGo first	Stimulus Ball Position compatible – Stimulus Screen Position compatible	320.47 (±8.94)
		Stimulus Ball Position compatible – Stimulus Screen Position incompatible	320.38 (±10.03)
		Stimulus Ball Position incompatible – Stimulus Screen Position compatible	317.87 (±8.63)
		Stimulus Ball Position incompatible – Stimulus Screen Position incompatible	318.88 (±8.57)
Egocentric SE (i.e., referring to Stimulus Screen Position)		0.47 (±2.20)	
Allocentric SE (i.e., referring to Ball Position)		-2.06 (±2.34)	