C

	Causal-inference model	Asynchrony-contingent model	Asynchrony-correction model

Predicted recalibration effect (s)

0.5

0

-0.5

-0.7   0   0.7

Auditory-lead

Adapter SOA (s)

Visual-lead

Bias update rule

$$\Delta = \alpha(\hat{s} - m)$$

$$\Delta = -P(m|\text{SOA} = 0)\alpha m$$

$$\Delta = \begin{cases} -\alpha m, & \text{if } |m| > c \\ 0, & \text{otherwise} \end{cases}$$

Δ = recalibration effect (post-test bias - pre-test bias); α = learning rate; c = simultaneity criterion; m = measurement of SOA; $\hat{s}$ = estimate of SOA