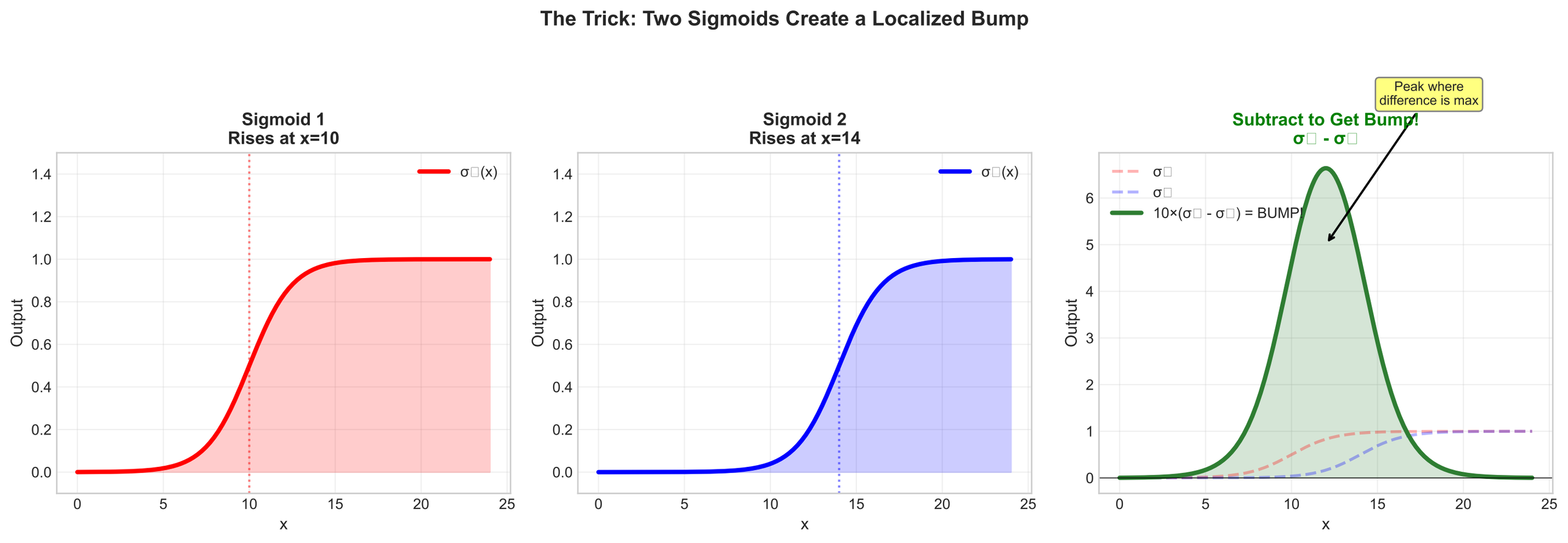
The Trick: Two Sigmoids Create a Localized Bump
Sigmoid 1
Rises at x=10
σ□(x)
Output
x
Sigmoid 2
Rises at x=14
σ□(x)
Output
x
Peak where
difference is max
Subtract to Get Bump!
σ□ - σ□
σ□
σ□
10×(σ□ - σ□) = BUMP!
Output
x