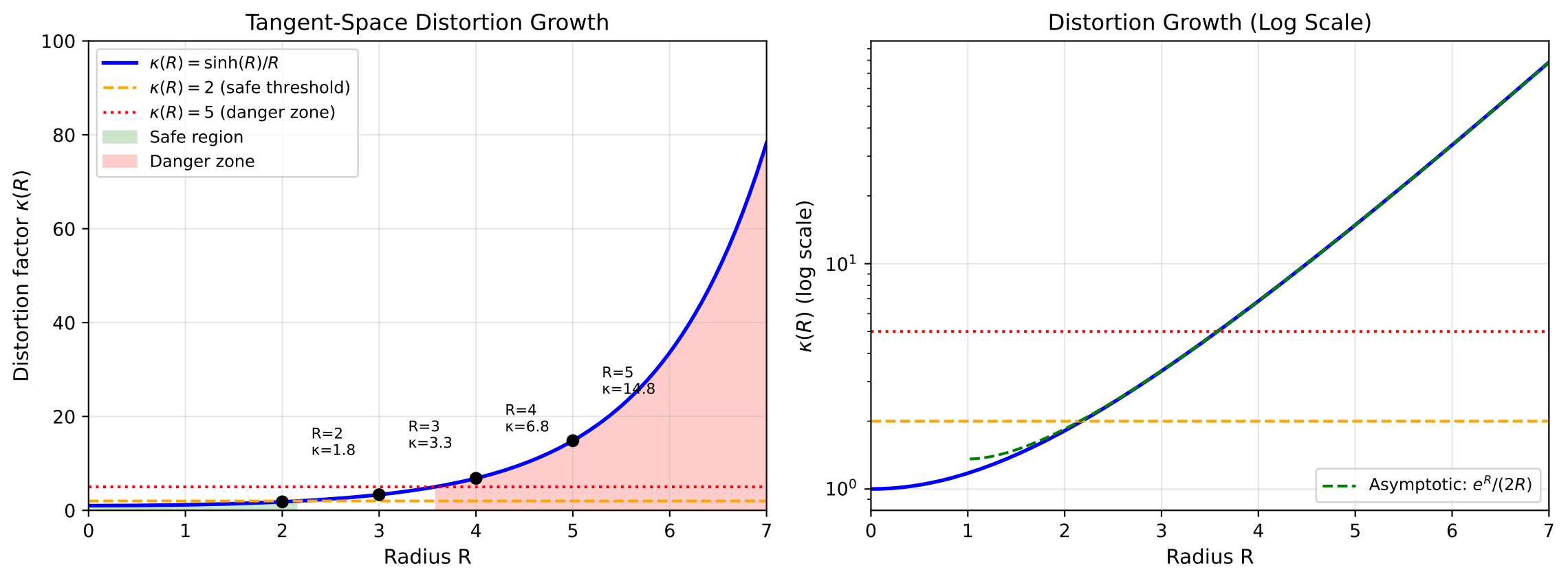
Tangent-Space Distortion Growth
$\kappa(R) = \sinh(R)/R$
$\kappa(R) = 2$ (safe threshold)
$\kappa(R) = 5$ (danger zone)
Safe region
Danger zone
R=2
κ=1.8
R=3
κ=3.3
R=4
κ=6.8
R=5
κ=14.8
Distortion factor $\kappa(R)$
Radius R
Distortion Growth (Log Scale)
$\kappa(R)$ (log scale)
Asymptotic: $e^R/(2R)$
Radius R