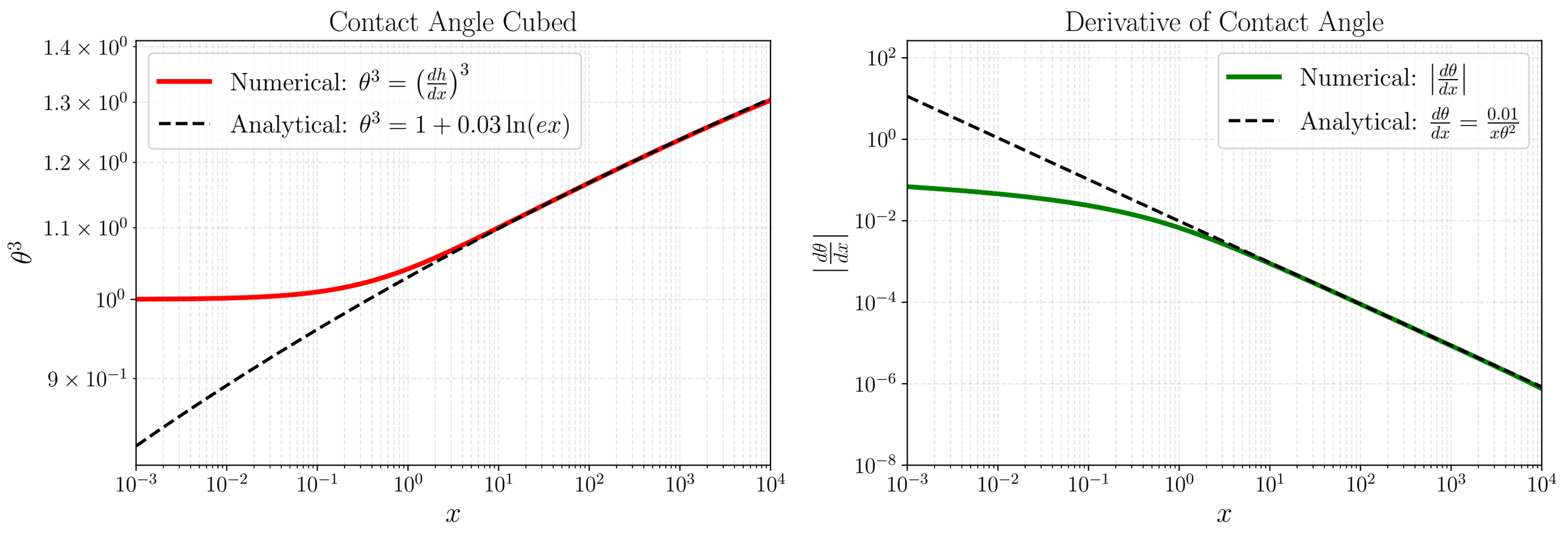
Contact Angle Cubed
Numerical: $\theta^3 = \left(\frac{dh}{dx}\right)^3$
Analytical: $\theta^3 = 1 + 0.03\ln(ex)$
$\theta^3$
$x$
Derivative of Contact Angle
Numerical: $\left|\frac{d\theta}{dx}\right|$
Analytical: $\frac{d\theta}{dx} = \frac{0.01}{x\theta^2}$
$\left|\frac{d\theta}{dx}\right|$
$x$