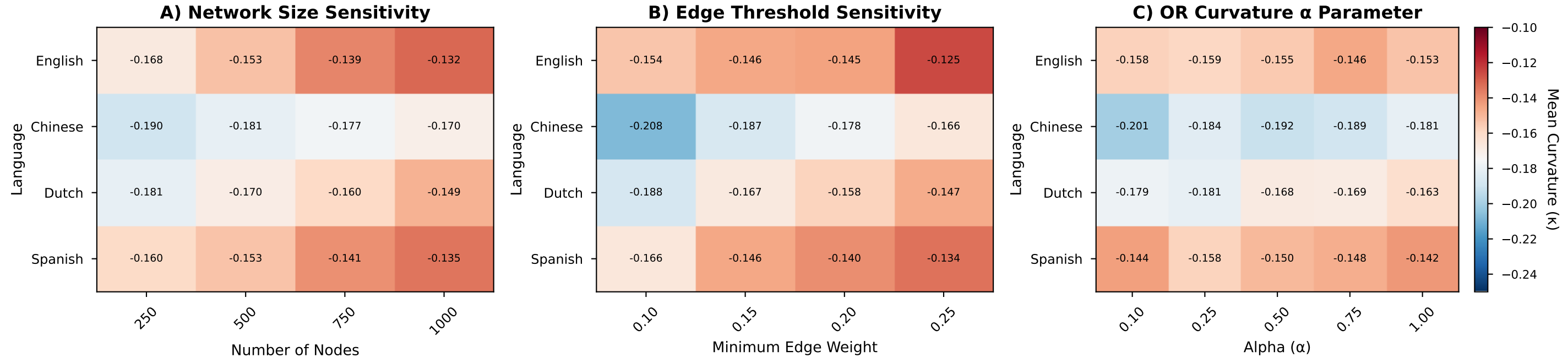


**Figure 7: Parameter Sensitivity Analysis - Robustness of Hyperbolic Geometry**



Heatmaps showing mean Ollivier-Ricci curvature ( $\kappa$ ) across parameter variations. All configurations yield negative curvature (hyperbolic), demonstrating robustness (Overall CV = 11.5%). Darker red indicates more negative curvature.