Gradient of Beta Log-likelihood wrt  $\theta$ (1193 samples,  $\Delta N = 3.5e-03$ ) 1.0 0.000 0.9 -0.1250.8 -0.2500.7 -0.3750.6  $\alpha$ -0.5000.5 -0.6250.4 -0.7500.3 0.2 -0.8750.1 -1.00025 10 15 20 30 θ