Multi-Perturbation Common Eigenfunctions phi ($\lambda = 0.989$) $dr (\lambda = 0.989)$ dm (λ =0.989) $vr(\lambda = 0.989)$ $vm (\lambda = 0.989)$ 0.15 0.15 0.10 Basis 1 (Closed) 0.000 Basis 2 (Palindromic) 0.15 0.10 0.10 --0.025 0.05 0.05 0.10 0.05 -0.0500.00 0.00 0.00 -0.075 0.05 -0.05 -0.05-0.05 -0.1000.00 -0.10-0.125 -0.10-0.10-0.15-0.05-0.150-0.15 Basis 1 (Closed) Basis 1 (Closed) Basis 1 (Closed) Basis 1 (Closed) -0.15Basis 2 (Palindromic) -0.20 Basis 2 (Palindromic) Basis 2 (Palindromic) Basis 2 (Palindromic) -0.175 $dr (\lambda = 0.987)$ phi ($\lambda = 0.987$) dm (λ =0.987) $vr(\lambda = 0.987)$ $vm (\lambda = 0.987)$ 0.1 0.5 0.5 0.1 0.4 0.4 0.0 0.4 0.0 0.3 -0.10.3 -0.10.3 0.2 -0.20.2 -0.20.1 0.2 -0.3-0.30.1 0.0 0.1 -0.4-0.4-0.1 0.0 -0.50.0 -0.5 -0.2-0.1 $dr (\lambda = 0.873)$ dm (λ =0.873) $vr (\lambda = 0.873)$ $vm (\lambda = 0.873)$ phi ($\lambda = 0.873$) 0.4 0.075 0.20 0.0 0.10 0.050 0.3 0.15 -0.10.025 0.05 0.10 0.2 0.000 -0.20.05 0.00 -0.025 0.1 0.00 -0.050-0.3-0.05 -0.050.0 -0.075-0.4-0.100 3 2 Conformal Time η Conformal Time η Conformal Time $\boldsymbol{\eta}$ Conformal Time η Conformal Time $\boldsymbol{\eta}$