Multispatial CCM test:

csl COL as a forcing process on recspn5 ESU, offset: 2 MFS, offset: 2 IMN, offset: 2 UPS, offset: 2 0.6 0.6 Tau = 1, p = 0.4Tau = 1, p = 0.43Tau = 1, p = 0.16Tau = 1, p = 0.590.4 Tau = 2, p = 0.45Tau = 2, p = 0.01Tau = 2, p = 0.5Tau = 2, p = 0.540.3 0.4 0.4 Tau = 3, p = 0.5Tau = 3, p = 0.5Tau = 3, p = 0.04Tau = 3, p = 0.350.2 Tau = 4, p = 0.17<mark>일</mark> 0.2 Tau = 4, p = 0.07Tau = 4 , p = 0.03 Tau = 4, p = 0.21rho 0.2 Tau = 5, p = 0.01Tau = 5, p = 0.3Tau = 5, p = 0.04Tau = 5, p = 0.190.1 Tau = 6, p = 0.26Tau = 6, p = 0.06Tau = 6, p = 0.53Tau = 6, p = 0.270.0 0.0 0.0 0.0 -0.1200 250 500 750 1000 100 200 100 100 200 Library length, L Library length, L Library length, L Library length, L ESU, offset: 3 MFS, offset: 3 IMN, offset: 3 UPS, offset: 3 0.4 Tau = 1, p = 0.02Tau = 1, p = 0.45Tau = 1, p = 0.31Tau = 1 , p = 0.39 0.4 0.3 0.3 Tau = 2 , p = 0.06 Tau = 2, p = 0.49Tau = 2 , p = 0.36 Tau = 2, p = 0.380.4 Tau = 3, p = 0.36Tau = 3, p = 0Tau = 3, p = 0.29Tau = 3, p = 0.360.2 0.2 Tau = 4, p = 0.18Tau = 4, p = 0.01Tau = 4, p = 0.18Tau = 4, p = 0.19rho **9** _{0.2} rho 0.1 Tau = 5, p = 0.18Tau = 5, p = 0.2Tau = 5, p = 0.48Tau = 5, p = 0.390.1 Tau = 6, p = 0.51Tau = 6, p = 0Tau = 6, p = 0.56Tau = 6, p = 0.590.0 0.0 0.0 forecast skill, rho -0.1-0. 500 750 100 200 100 200 100 200 250 1000 Library length, L Library length, L Library length, L Library length, L ESU, offset: 4 MFS, offset: 4 IMN, offset: 4 UPS, offset: 4 0.4 0.6 Tau = 1, p = 0.25Tau = 1, p = 0.09Tau = 1, p = 0.51Tau = 1, p = 0.390.4 0.3 Tau = 2, p = 0.41Tau = 2, p = 0.01Tau = 2, p = 0.17Tau = 2, p = 0.480.3 0.4 Tau = 3, p = 0.08Tau = 3, p = 0.58Tau = 3, p = 0.56Tau = 3 , p = 0.14 0.2 0.2 Tau = 4, p = 0.26Tau = 40, p = 0.070.2 Tau = 4, p = 0.33**일** 0.2 Tau = 4, p = 0.29ц rho 0.1 0.1 Tau = 5, p = 0.6Tau = 5, p = 0.39Tau = 5, p = 0.55Tau = 5, p = 0.630.1 Tau = 6, p = 0.09Tau = 6, p = 0.5Tau = 6, p = 0.41Tau = 6, p = 0.40.0 0.0 0.0 0.0 -0.1-0.1-0.1250 500 750 100 150 200 100 200 100 200 1000 250 Library length, L Library length, L Library length, L Library length, L ESU, offset: 5 MFS, offset: 5 IMN, offset: 5 UPS, offset: 5 Tau = 1, p = 0.39Tau = 1, p = 0.18Tau = 1, p = 0.67Tau = 1, p = 0.150.50Tau = 2, p = 0.04Tau = 2, p = 0.3Tau = 2, p = 0.11Tau = 2, p = 0.220.4 Tau = 3, p = 0.01Tau = 3, p = 0.45Tau = 3, p = 0.29Tau = 3, p = 0.190.2 Tau = 4, p = 0.03Tau = 4, p = 0.42Tau = 4, p = 0.16Tau = 4, p = 0.76و 0.25 <u>و</u> 0.2 Tau = 5, p = 0.41Tau = 5, p = 0.18Tau = 5, p = 0.31Tau = 5, p = 0.46Tau = 6, p = 0.31Tau = 6, p = 0.11Tau = 6, p = 0.11Tau = 6, p = 0.290.0 0.0 0.00 0.0 -0.2500 750 100 200 100 250 100 150 200 250 200 Library length, L Library length, L Library length, L Library length, L

library length, L