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"December 2, 2001";
"COMPUTATION OF MSV SOLUTION FOR INERTIAL LAGGED RULE";

Clear[phix, phipi, phir, sigma, kappa, rho, beta, capb1, bbar, omega, delta, bbar,
bbar11, bbar12, bbar13, bbar21, bbar22, bbar23, bbar31, bbar32, bbar33]

"MATRICES FOR COMPUTING MSV SOLUTION";

omega = {{1, sigma, 0},
{kappa, kappa*sigma + beta, 0},
{0, 0, 0}};

delta = {{-phix*sigma, -hipi*sigma, -phir*sigma},
{-kappa*phix*sigma, -kappa*hipi*sigma, -kappa*sigma*phir},
{phix, phipi, phir}};

"bbar matrix below";

bbar = {{bbar11, bbar12, bbar13},
{bbar21, bbar22, bbar23},
{bbar31, bbar32, bbar33}};

"MSV SOLUTION CAN BE OBTAINED BY SOLVING, bbar=rhsmatrix, GIVEN BELOW";

rhsmatrix = Simplify[ (Inverse[IdentityMatrix[3] - omega.bbar]) . delta]
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