Part A. results
norm2(A−QR) =
    1.0144e−15

norm2(Qc−Q) =
    2.6987e−14

norm2(Qm−Q) =
    2.6317e−14

norm2(Rc−R) =
    4.5084e−16

norm2(Rm−R) =
    5.1851e−16

norm2(Qc^*Qc − I)
    2.6683e−14

norm2(Qm^*Qm − I)
    2.6493e−14

norm2(Q^*Q − I)
    7.7604e−16

Part B. results
norm2(A−QR) =
    3.5916e−15

norm2(Qc−Q) =
     9.5344

norm2(Qm−Q) =
     1.9839

norm2(Rc−R) =
    20.5795

norm2(Rm−R) =
     0.0051

norm2(Qc^*Qc − I)
    89.9271

norm2(Qm^*Qm − I)
     1.0009

norm2(Q^*Q − I)
    2.2023e−15

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