

Null Space

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- *From:* michael@xxxxxxxxxxxxxxxxxxx
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Given a matrix $A(m,n)$ where $m \leq n$, LAPACK subroutine DGELQF calculates the LQ decomposition $A=(L \ 0)Q$ where $L(m,m)$ and $Q(n,n)$. The subroutine DORGLQ forms the first m rows of the matrix Q . These rows correspond to the Transpose(Range) space of the matrix A . The null space transpose corresponds to the $n-m$ rows of Q . Does anyone know of an efficient way to form this null space?

Michael

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