Dear Mr./Ms.，

I have used ‘DMCreateMatrix’ to create a matrix **K**, and also the ‘DMCreateGlobalVector’ to create two vectors **U** (to be solved) and **F** (right-hand side), i.e. **KU**=**F**. Now, I want to add some complex constraints to this system through lagrangian multiplier method, and the constraint matrix is **Q**. The **KU**=**F** transforms to

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How to create **Kλ**, and how to effectively copy values **K** and **Q** to **Kλ**? Does the newly created **Kλ** and **Fλ** still have an advantage of DMDA? Or do you have any other good suggestions for this kind of problem?

Thank you very much!

Best regards,

A PETSc user