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## **1 Major Changes**

I am now testing three types of energies.

## **2 Progress**

It became clear the default wilmore flow we were using is unstable when allowing for variable edge lengths(leads to a blow up in length). So we are now testing 2 additional energies. The first adds a sum of lengths squared penalty and the second only takes sums of squared curvatures into account.

## **3 Milestones**

Minus a few bugs involving numerical degeneracies and a matrix factorization issue, this is where I hoped to be by the end of the semester.

## **4 Surprises**

This was about what I was aiming for by the last update.

## **5 Looking Ahead**

We aim to develop more stable energies and couple these with other methods of performing the flow(other than intrinsic coordinates). I am in the process of writing up analysis.

## **6 Revisions**

NA

## **7 Resources**

As far as I know I currently have all the resources I need.  
Try the demo!