

Algorithms in Genome Research
Winter 2009/2010

Exercises

Number 11, Discussion: 2010 January 22

1. Discuss limitations of indirect methods for measuring protein contents and abundance in a cell.
2. What are the main approaches for gel image warping?
What are the underlying ideas?
3. Remember the approach for protein image alignment via affine transformations.
 - (a) What does it mean that the problem may be *infeasible*?
 - (b) What is the conceptual difference between global and piecewise transformations?
 - (c) What are continuity constraints, and how are they realized?