New Cloth Modeling for Designing Dyed Patterns <Real Dyeing Process> Dye Transfei Add Dye Cloth weave Resist Dyeing (Fold, stitch, clump, bind...) <Computer-Generated Dyeing Framework [1]> Set weave Model folded cloth Specify resist regions by editing development view [2] Calculate Dye Distribution <Problems of development view editing for 3D folded cloth geometry> Folding multi-patterns is diffucult Intuitive stitching operation Dyeing requires an order to fold How to specify a Specifying folding lines Some folding orders exist for 3D folded cloth of one development view. is not intuitive. multi-folding patterns? <Our System> Sequential folding Local folding operation Stitching operation View:3D, 2D Stitch line a) Line drawing b) Division Voronoi diagram Any folding operation for each separated cloth parts. Interactive dyeing