

ScatterTouch:

A Multi Touch Rubber Sheet Scatter Plot Visualization for Co-Located Data Exploration

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Short Description:

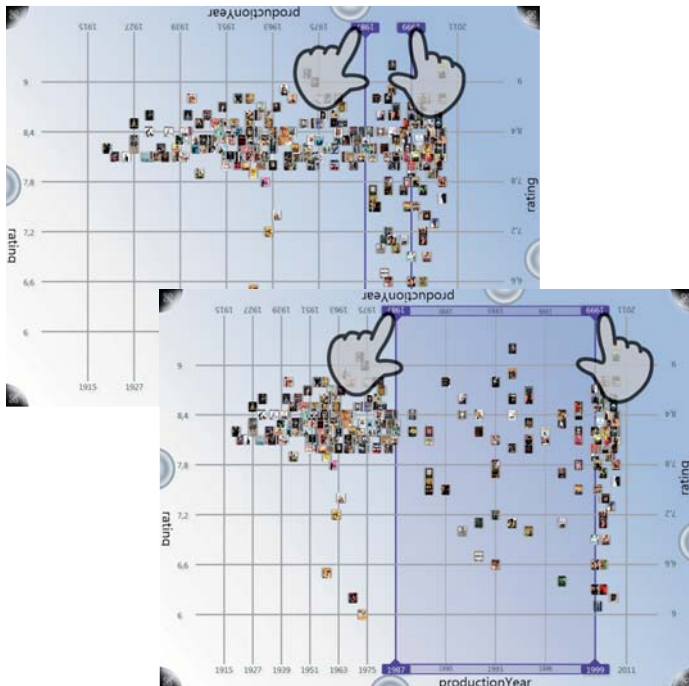
This poster introduces the ScatterTouch, an interactive scatter plot visualization on a multi touch table to explore and analyze movie data in co-located collaborations. The design focuses on the ability to work co-located with several users. These are able to create several focus regions through distortion techniques triggered by multi touch gestures. Furthermore, the introduced visualization is an example how promising concepts from InfoVis research can be transferred onto multi touch tables in order to offer more natural interaction.

Key Points:

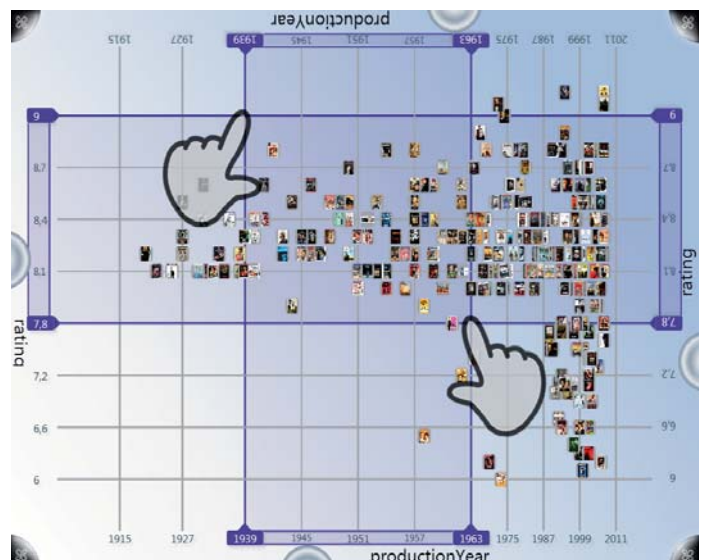
- Multitouch Adaption of a 2D Scatterplot
- Distortion Techniques at your Fingertips
- Multiple Users are able to define Multiple Focus Regions



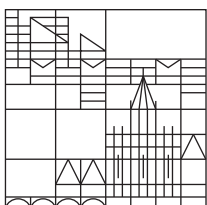
Three co-located working students using the ScatterTouch Visualization on a multi touch table. One student distorts the scatter plot grid to define a focus area for discussion. Two information objects are displayed up-scaled to access and compare the meta information.



(upper) By touching single or multiple labels or grid lines they will be activated for distortion; (lower) Moving the activated lines result in a fisheye distortion.



A two dimensional distortion can be established by dragging two cross-points of the scatter plot grid.



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