**User Help:** User informs first appearance of each board and intervals where a given board is moving.

**SiftMatch:** From video, calculate pairwise correspondences.

**DetectBoardMov:** From images, calculate board movement – when boards move. From the results, let the user fix board movement – when boards move.

**ProfDetection:** Detect where the professor is. User interaction - After Effects.

**VideoRegFast**: From images and point correspondences, calculate pairwise transformations. If I know board movement, these boards can be ignored in this part of the pipeline. Also, professor sifts can be ignored.

**VideoRegFix**: From the results , let the user fix the registration. From here, I have perfectly registered frames, detected boards and detected professor.

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**ExportMasks:** Extract mask from professor and board position. Mask is the important part of the video - export to mask. Marks which part of each frame has to be replaced when creating background - export to replace.

**Background:** Export images to create background.

**Graphcut:** Create background.

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**Board Extraction:** Find best possible board for each interval. Merge boards.

**Separate video into topics: Manually separate video into topics. For this, we still need to register bigger videos.**