

chronos
grace

CS5245 Vision and Graphics for Special Effects

Semester 2, 2009/2010, Assoc Prof. Leow Wee Kheng

and Chronos' Grace is by
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Chronos' Grace

Chronos' Grace is a story about a guy who accidentally caused a fire but he was saved by another guy by reversing the time.

❖ The **Effects**

In Chronos' Grace, we are going to introduce three major effects as follows:-

1. Ultra zoom onto a watch and reveals the internal cogs and gears of the watch.
2. Creating of fake fire scene
3. Time reversing effect

❖ **Synopsis** of the story

The story begins with a man (Mr. A) who wakes up in the morning. He stumbles out of his room and walks to the washing basin. He passes by the kitchen and finds that the kettle is boiling hot. He quickly turns back and uses a towel to remove the boiling kettle from the stove.

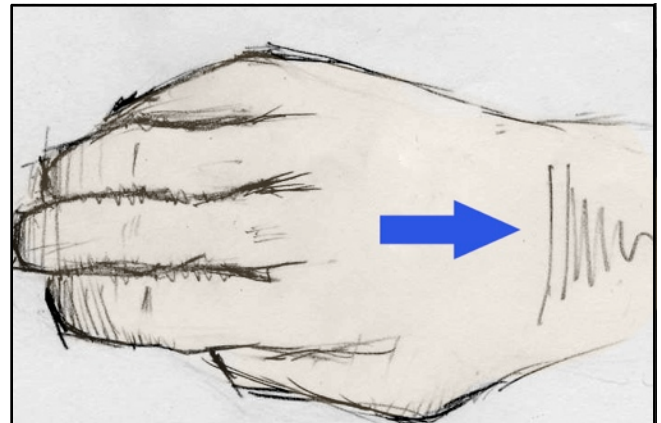
But he never realize there is a small patch of towel left on the heating stove. At the washing basin, he brushes his teeth like usual. While he is brushing his teeth, the towel, which he left on the kettle, starts to burn.

When he looks at the mirror, he only realizes the burning towel has caused a fire on the stove. He immediately takes a cup of water and pours it on the stove. Time freezes right when the water being poured out of the cup.

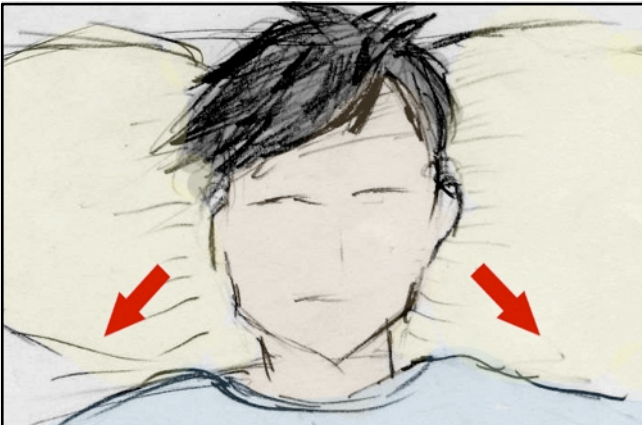
Camera rotates. Another man (Mr. B) is revealed. He is the guy who saw these events and he quickly stopped the time using his special watch. Time was reversed. He reverted everything and prevented the fire from happening.



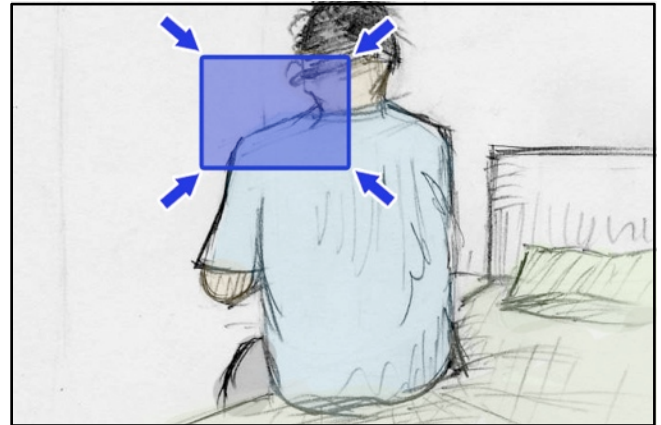
1. Camera starts with a ringing clock. Showing top view of the alarm clock.



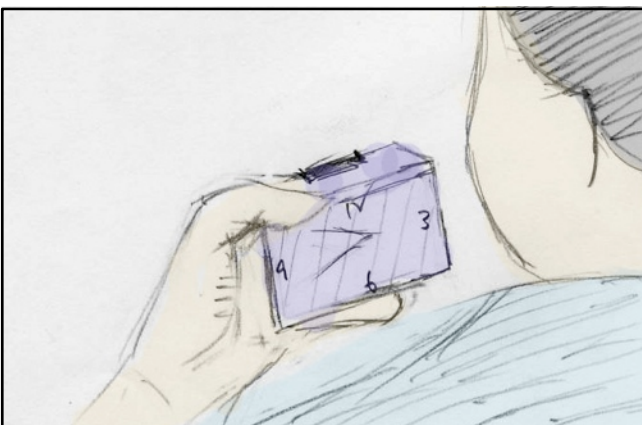
2. A hand slams on the alarm clock. Camera starts to move along the hand to find who this hand belongs to.



3. Camera stops at the man (Mr. A). The man opens his eyes and wake up from the bed.



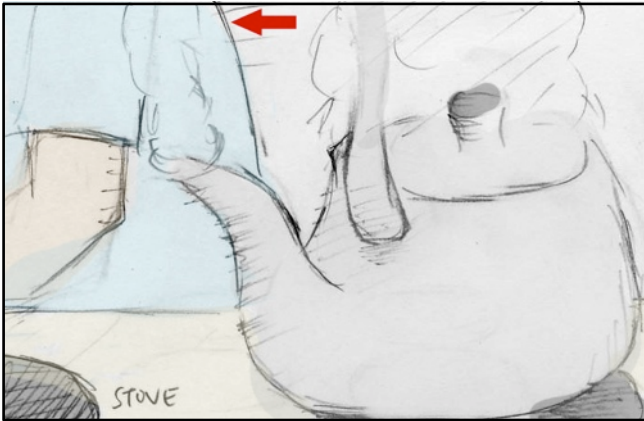
4. He sits on the side of the bed and looking at the clock.



5. Mr. A looks at the clock.



6. He stumbles out of his room, heading towards washing basin.



7. Scene starts with a boiling kettle. He passes by and finds the kettle is boiling.



8. He quickly uses a towel to remove the kettle out of the stove.



9. He accidentally leaves the towel on the kettle and forgets to turn off the stove. He turns away and walks to the washing basin. A patch of the towel touches the still heating stove.

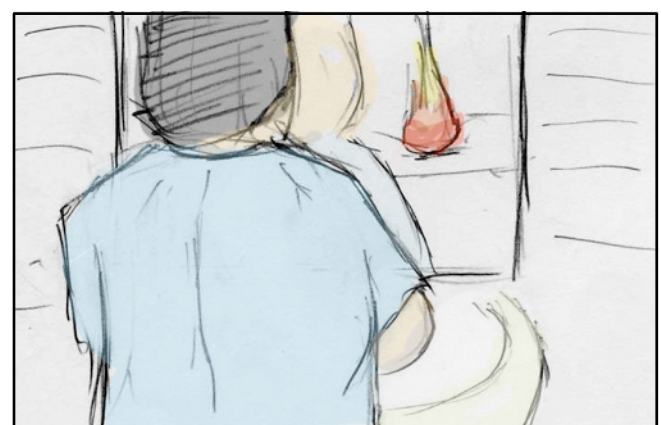


10. He brushes his teeth at the washing basin as usual. The towel starts to burn unotically.



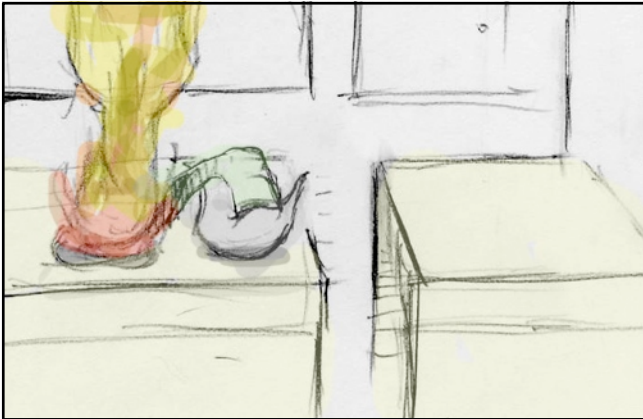
11. He bow down rinsing out the water. Fire is seen through the reflection on the mirror.

fx: fake fire composes on the mirror



12. He realizes the fire.

fx: fake fire composes on the mirror

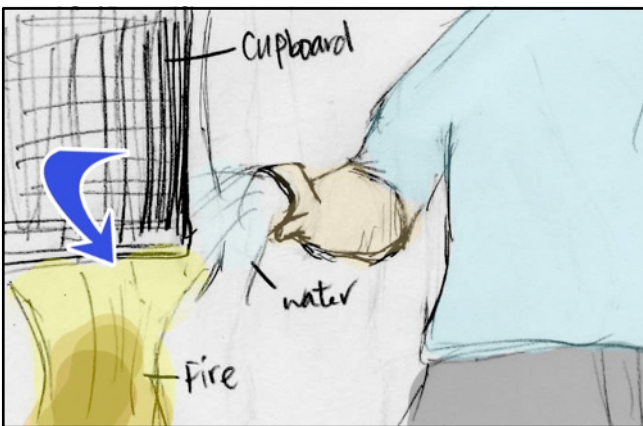


13. The fire gets bigger.

fx: fake fire composes on the stove

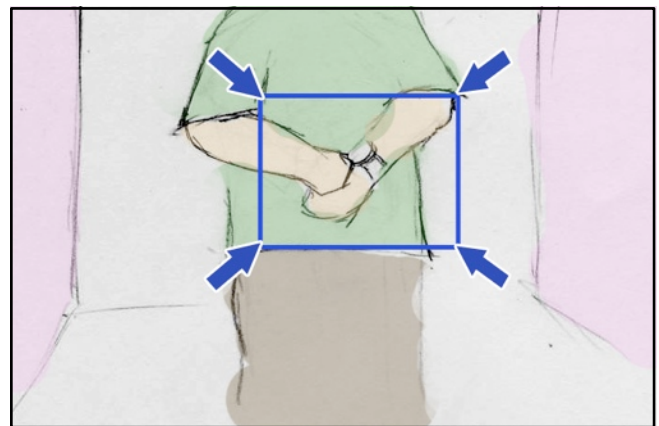


14. He walks into the camera scene and pour water. Right the water being poured out, time freeze. Camera pans to show the front-left view.

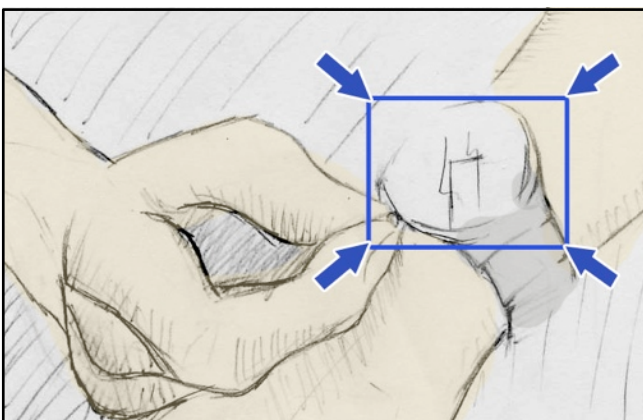


15. Camera shows the action of the man pouring water freezes in the air. Camera pans left and rotate to the back of camera.

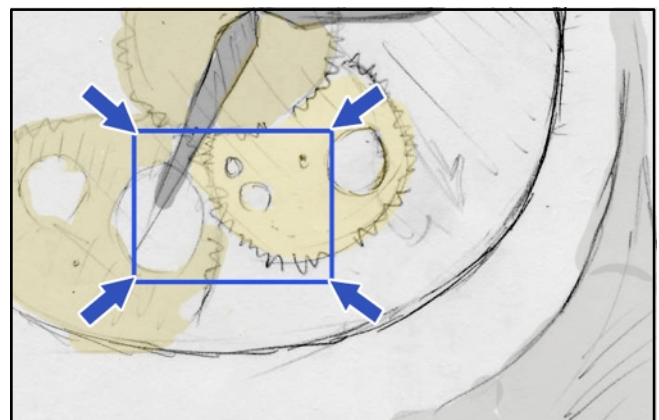
fx: fake fire & fake water



16. Camera reveals another man (Mr. B). Camera zooms to the watch on his left hand.

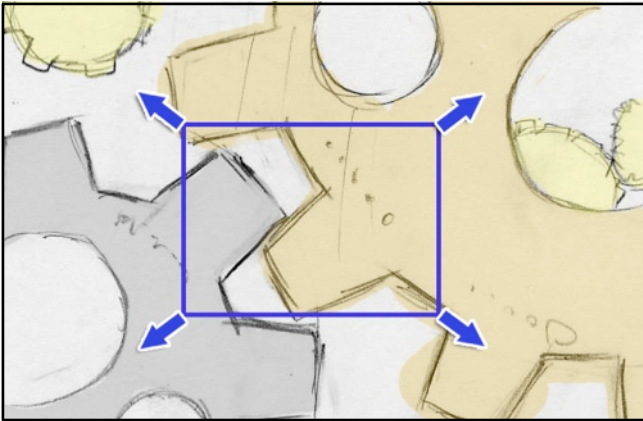


17. Camera continues to zoom into the watch.



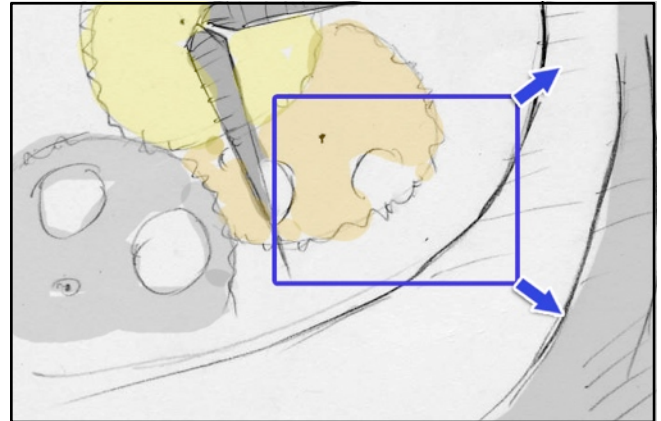
18. Camera zoom into the watch. Watch surfaces starts to fade out and revealed the inner part of the watch.

fx: Modeling of cogs and gears in the watch. Transition of the real watch to the graphics rendered watch.



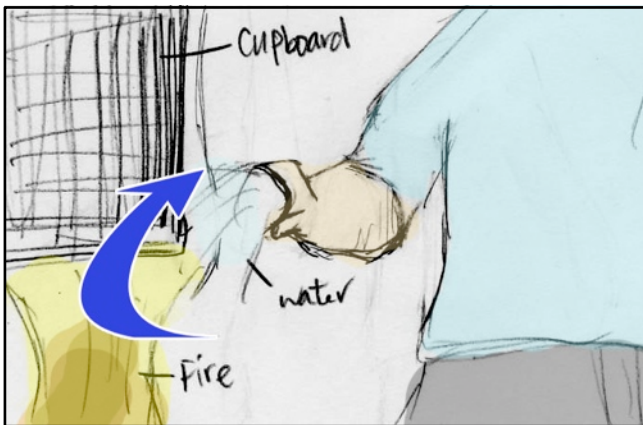
19. The cogs in the watch stopped right the camera stopped zooming. Cogs starts to move in reversing direction.

fx: CG cogs



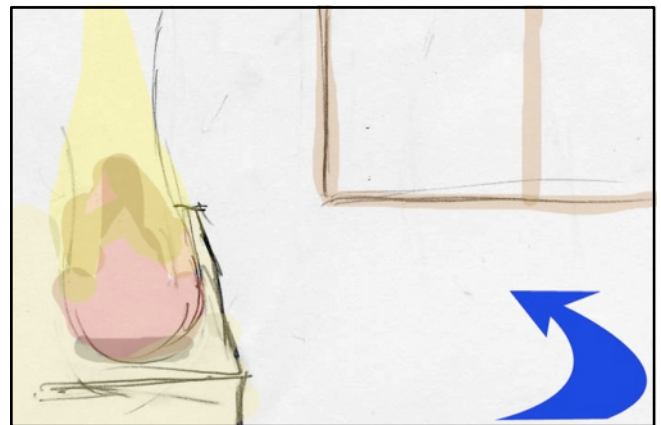
20. Camera zooms out and moves right to the scene.

fx: CG cogs & watch, and transition of CG to real footage.



21. Camera pans back to the previous scene that shows Mr. A pours water to the stove.

fx: fake fire & water.



22. The scene starts to reverse back. Mr. A moves out from the camera.

fx: fake fire & time reverse



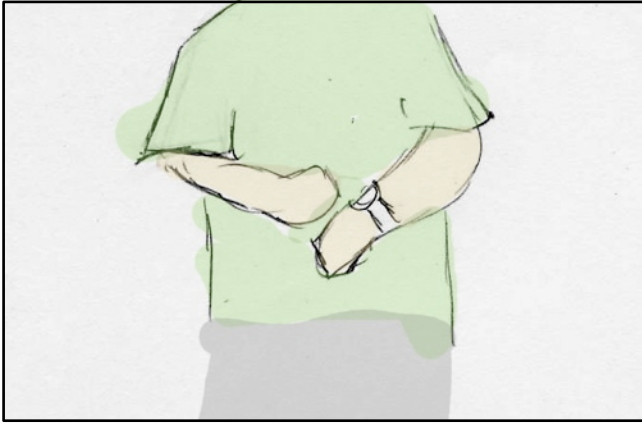
23. Camera moves to the front of the fire. Fire getting smaller and smaller.

fx: fake fire & time reverse.



24. Fire disappears. Camera pans to Mr. B.

fx: time reverse



25. Scene shows Mr. B (who reversed the time). He moves forward to the camera.



26. Mr. B walks to the stove, removes the towel that was left by Mr. A, who is now walking towards the washing basin to brush his teeth. Scenes blurred out and end.

❖ Production Ideas

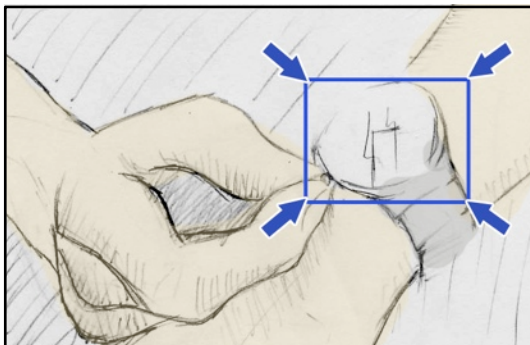


Fire on the Stove

The fire on the stove will be done by composing CG fire on a blue screen, with the aid of Cinema 4D, match moving, and keying out on the real footage. No fire will be used during the production of this film to ensure safeties.

Time Freeze on Water

Similar to the fire on the stove, the water will be rendered by Cinema 4D and composed on the footage. Rumors said that this effect can be made by using real footages of pouring water and composing on this scene. We will try on different techniques to get the best compose.

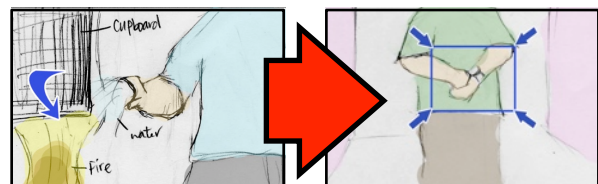


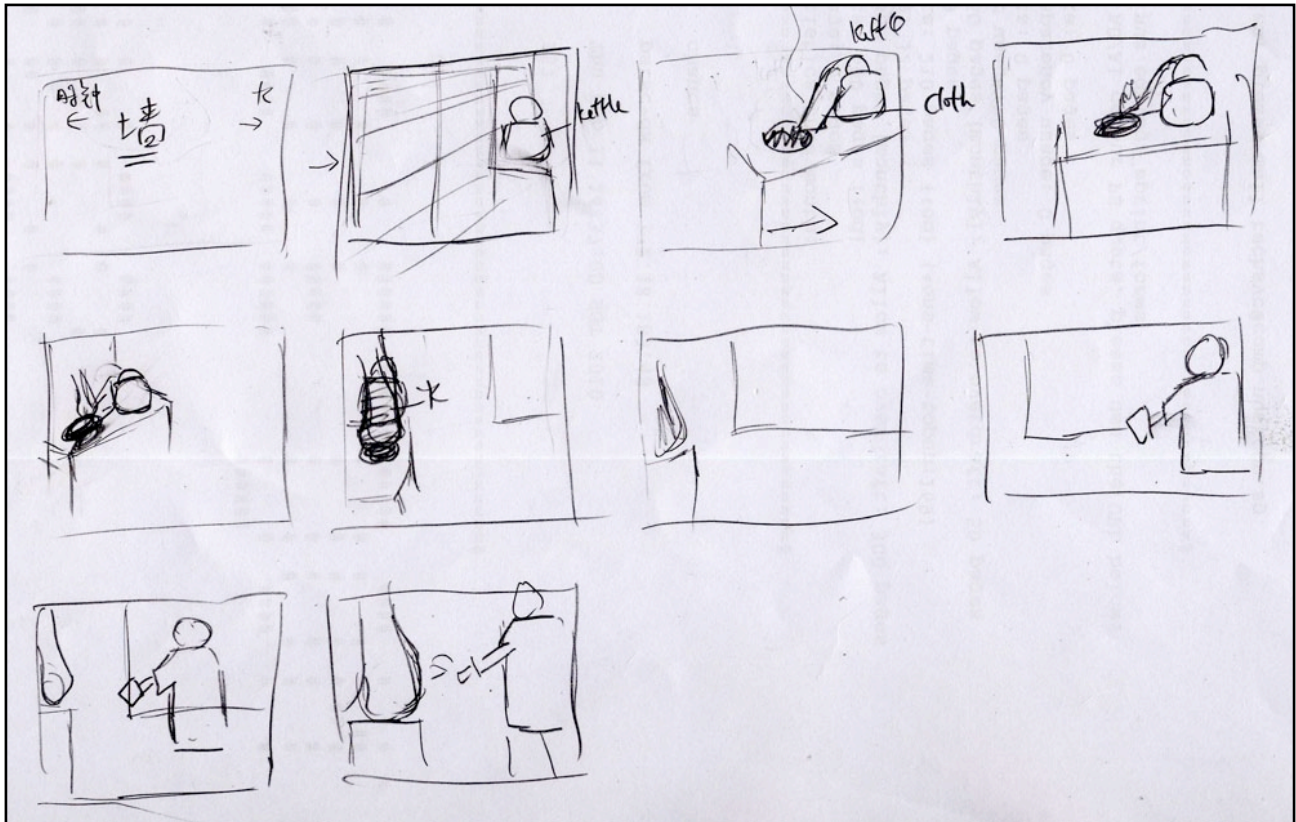
Ultra Zoom In/Out on Watch

While this effect is not recommended, we are going to try this effect in our story. Ultra zoom will be made by zooming the camera very close to the watch. When the zooming is going to pierce through the glass of the watch, we will blur the scene and switch to CG scene as soon as possible so the transition will look natural.

Transition From Mr. A to Mr. B

Transition from Mr. A to Mr. B or transition from scene 15 to scene 16 will not be in one shot. Different footages will be connected via blurring the walls that will be seen while rotating the camera.





Time Reverse Arrangement

We even have a different set of scene arrangement which will facilitate the time reversing shots (draft, to be continue)

❖ Roles of Team Members

Specified work arrangement is just for reference and doesn't reflect the real arrangement afterwards. Works will be spread out evenly if any of the members could not finish the assigned work in time.

	Chan Chong Sheng	Thum Kar Mun
Filming	√	√
CG Watch	√	
CG Fire & Water		√
Match Moving	√	√
Sound Effects		√
Video Editing	√	

❖ Production Plan/Schedule

Week 4	Brainstorming of storyline
Week 5	Selection of live scenes
Week 6	Submission of project proposal
Week 7	Filming of actual footage Experiment with different camera shots
Week 8	3D modeling and animation
Week 9	Compositing and video editing Project update 1
Week 10	Match moving and sound effect
Week 11	Polishing
Week 12	Creating “Making of” clips Project Update 2
Week 13	Submission & presentation