



# The Making of "Transpad"

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By

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(modeling, animation)

# Processes

- \* Choosing Topic

# Story Board

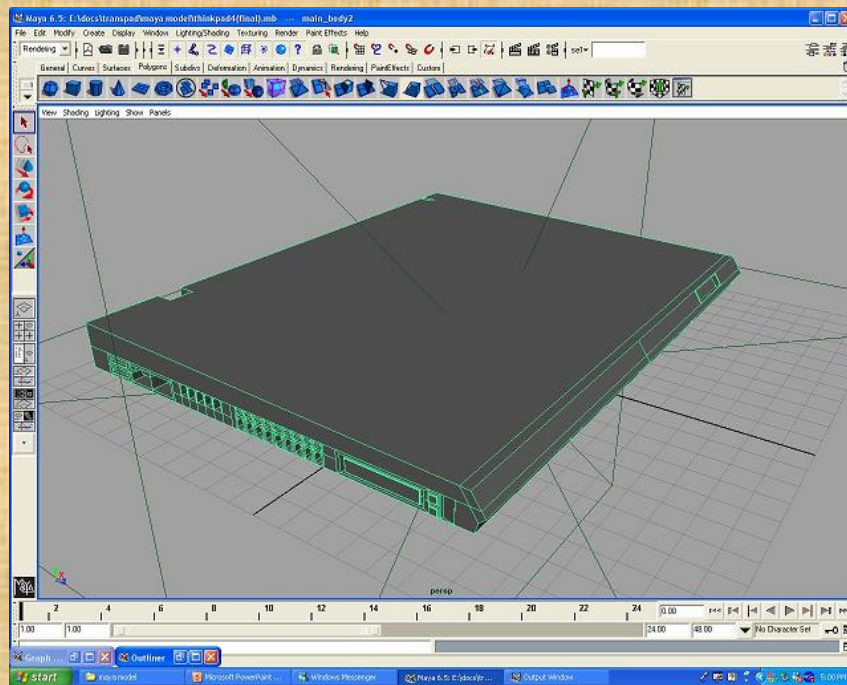
✦ A laptop transformed into a robot and fight with the thief who wanted to steal it, the thief will be hanged on the wall at last.

# Special Effects

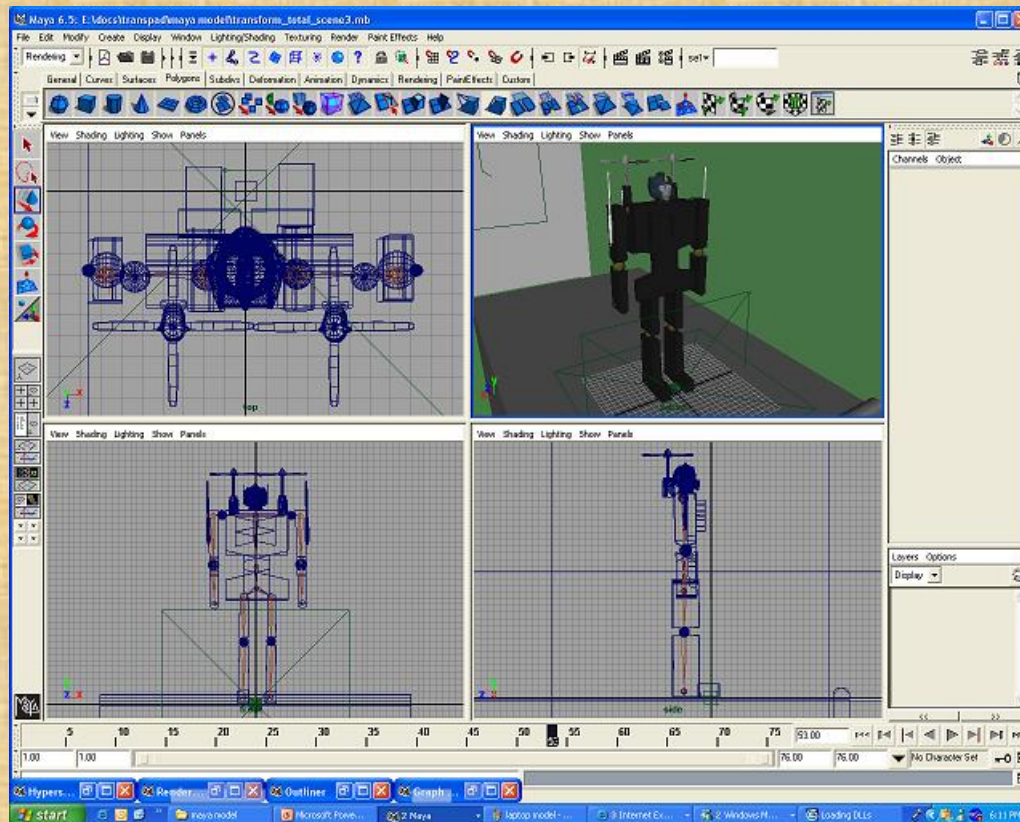
- \* Blue screen
- \* Animation blending with real scene
- \* Multi-layer composition

# Modeling

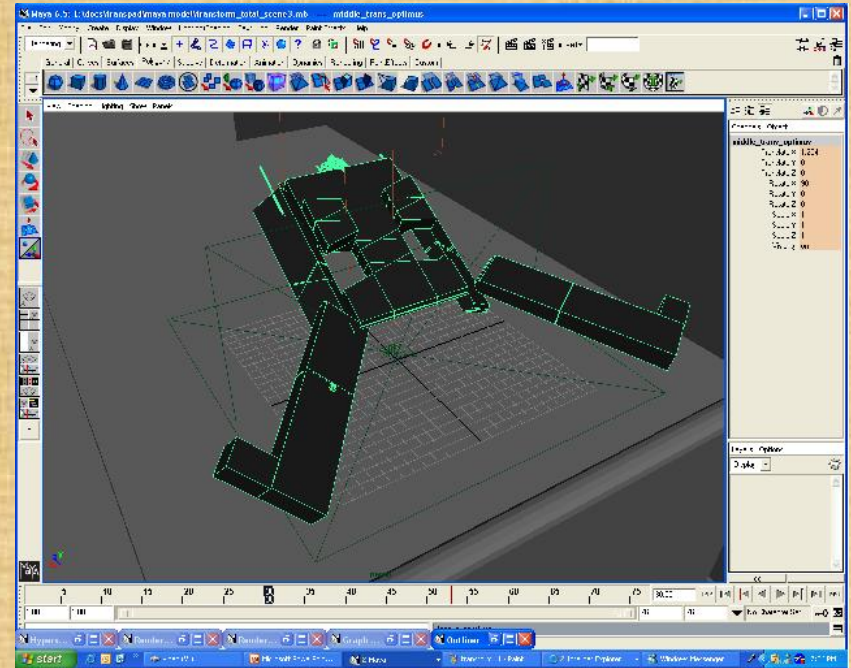
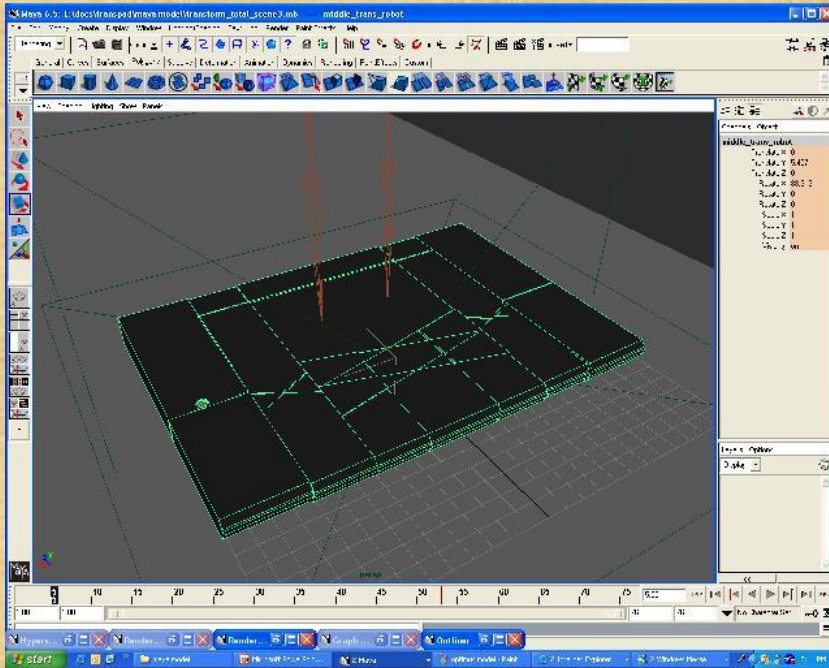
- ✦ laptop thinkpad
- simple model for still laptop



# ✦ Transform laptop model: optimus prime



# Transformation



# Animated Scenes

- \* Transformation

- \* Fighting

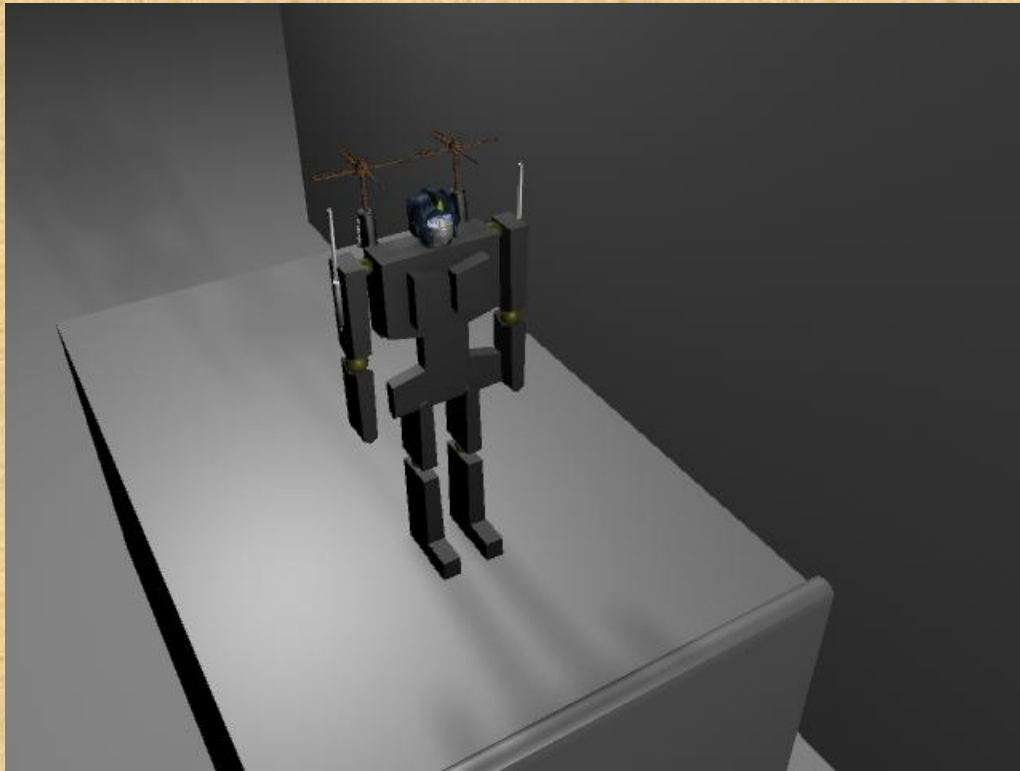
- \* Hitting the face

- \* Dragging on the floor

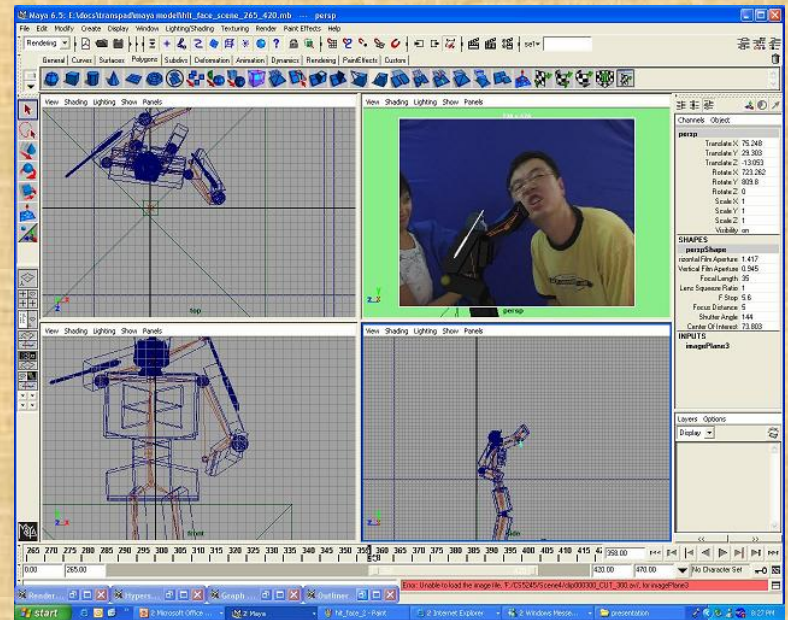
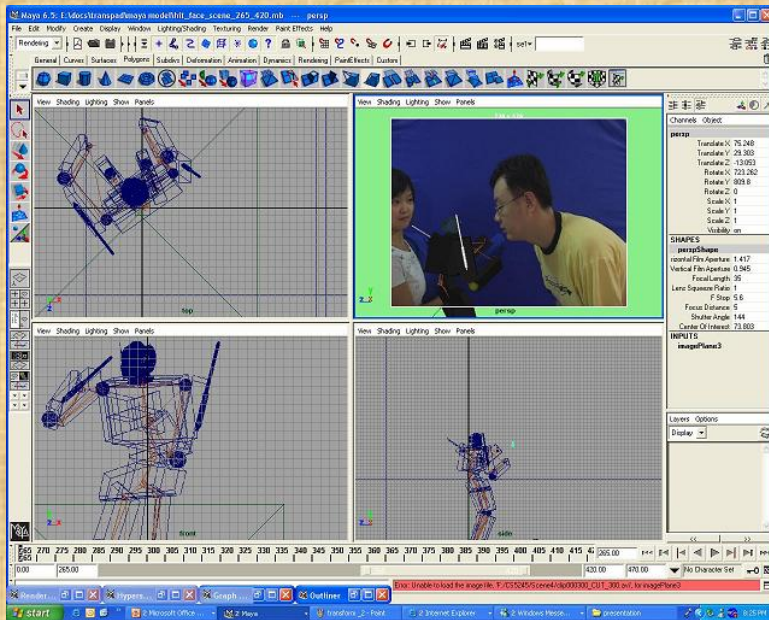
- \* Lift and hang the thief up

# Processes

## \* Lighting and shadows



# ☀ Hitting the face



# Fighting Scene

## \* Three Layers

- \* the person

- \* background

- \* the robot

# What's the difficulty?



# Fighting Scene Continue

\* Cut the scene into subsequences, each subsequence belongs to either:

A the person occludes the robot  
or

B the robot is between the person's hands

# Fighting Scene Continue...

- \* The robot is between the person's hands

- \* Solution : a forth layer

# Fighting Scene Continue...



## \* Three Layers

- \* the person

- \* the robot

- \* background

# Scenes with special effects

- \* Robot is in front of the person
  - \* Robot dragging
  - \* Robot lifting
- \* Occlusion problem
  - \* Robot hitting
  - \* Robot struggling

What's the difficulty?



# Struggle Scene

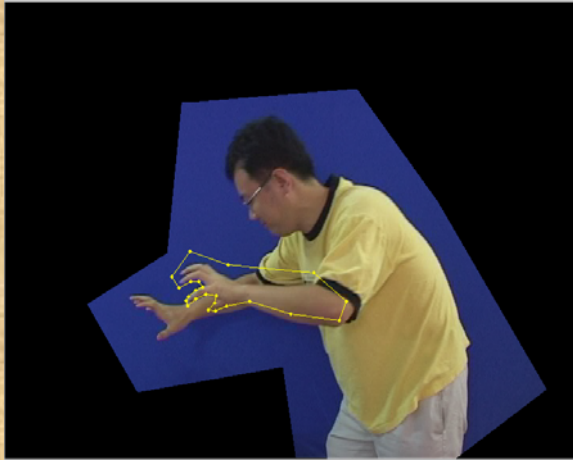
- \* Cut the scene into subsequences, each subsequence belongs to
  - \* either :
    - the person occludes the robot
  - \* or :
    - the robot is between the person's hands

# Struggle Scene Continue...

- \* When the robot is between the person's hands

- \* Solution : a forth layer

# Four Layers





Q&A