

mocha Projects

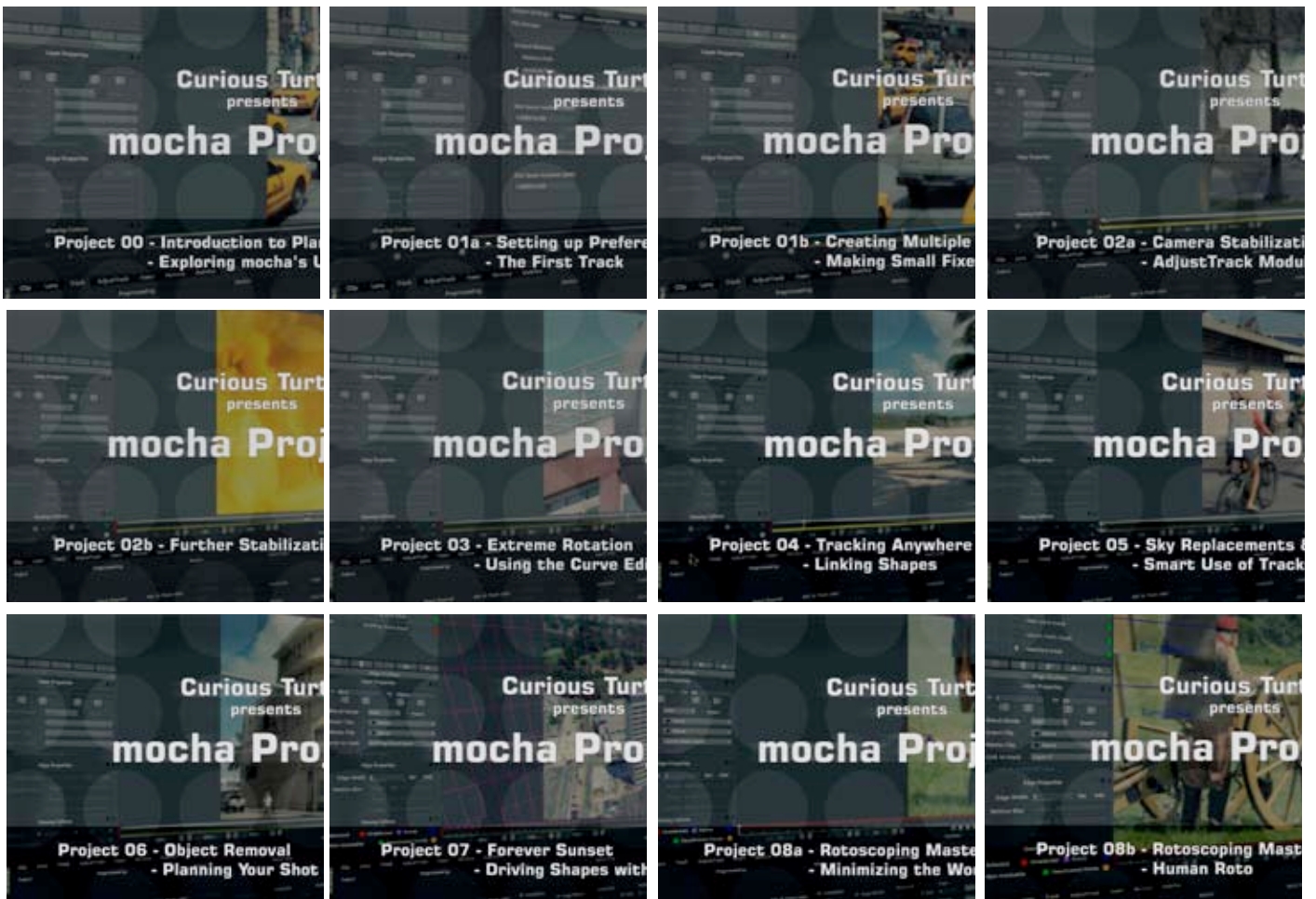
Real-world Solutions

with Imagineer Systems

mocha & mocha Pro

Presented by
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Project 00 - Introduction to Planar Tracking (18:42 min)

Project objectives:

- Get a brief overview of the mocha UI.
 - What is Planar Tracking?
 - Quickly discuss the differences between the different applications in the mocha family.
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Project 01a - The First Track (40:06 min)

Project objectives:

- Set up preferences for the fastest results.
 - Start a new project and why the wrong Pixel Aspect Ratio can ruin your results before you start.
 - Check out the differences between X-Splines and Bezier Splines.
 - Identify planes and where best to track.
 - Offsetting the export data. Keeping it consistent.
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Project 01b - Creating Multiple Tracks (12:44 min)

Project objectives:

- Smart tracking to avoid problems.
- When to retrack and when to trash.
- Separating camera movement and object motion.
- Keyframing tracking shapes.



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Project 02a - Camera Stabilization (17:41 min)

Project objectives:

- See the strength of the planar tracker.
 - Using track mattes to minimize problems.
 - What happens when your object is completely obscured?
 - When to use AdjustTrack.
 - What to look for to get consistent tracks when adjusting your results.
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Project 02b - Further Stabilization (2:52 min)

Project objectives:

- Find the center point for stabilization.
 - Check track consistency with a grid.
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Project 03 - Extreme Rotation (38:05 min)

Project objectives:

- Identify problem areas.
- Why tracking less gives better results.
- Further AdjustTrack.
- Setting up Master Frames.
- Adjusting brightness to make it easier to get better results.
- Checking your track in the Curve Editor.
- Smoothing tracks to avoid creating keyframes.



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Project 04 - Tracking Anywhere (21:47 min)

Project objectives:

- Thinking laterally to find the right tracking point.
 - How to minimize drift in moving footage.
 - When to use Small Motion.
 - Use multiple shapes to mark an invisible track marker.
 - Offsetting shapes mid-track. Problems and opportunities.
 - Link mask shapes to track layers.
-

Project 05 - Set Extensions (30:42 min)

Project objectives:

- How to plan your shot.
- Create a few tracks to drive many effects.
- Where to track for sky replacements.
- When more is more. The time to use large shapes.
- Use Grid to line up the Surface.
- Keyframing track mattes to the track perfect.
- When to use the Align Surface.
- Make a garbage mask in mocha.



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Project 06 - Object Removal (35:17 min)

Project objectives:

- Breaking a shot down to remove a large object.
- Create basic tracks.
- Linking multiple layers to basic tracks.
- Tackling perspective shift from zoom shots.
- Intro to the Bezier spline tool.
- Painting clean plates.



Project 07 - Forever Sunset (38:51 min)

Project objectives:

- Build a style frame before starting work.
- Think before you track. Why your first plan may not be the best.
- Why the planar tracker makes a ground plane track even more important.
- Rotosplines made simple.
- Extending shadows.
- Fixing bad tracks before AdjustTrack.



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Project 08a - Rotoscoping Masterclass Part 1 (23:34 min)

Project objectives:

- First steps in preparing to roto.
 - When creating large roto splines is entirely acceptable.
 - Positive shapes vs. negative shapes.
 - Why the Bezier spline is better for certain shapes.
 - Move groups of points.
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Project 08b - Human Roto (51:49 min)

Project objectives:

- What to track prior to roto scoping.
 - When large roto splines are the worst things to work with.
 - Minimizing the number of keyframes.
 - Point to point matching.
 - How to use the tracking layer as your main roto shape layer.
 - Breaking down the human body.
 - Creating a wrong shape is the right thing to do.
 - Exploring motion blur.
 - Preparing for matching elements together.
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Project 08c - Rotoscoping Masterclass Part 3 (18:58 min)

Project objectives:

- Why to use a Matte Clip.
- Procedural keying to speed up work in mocha.
- Making the fewest number of shapes and the minimum amount of roto.



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Footage Used - Available from videoblocks.com :

Project 1 - NYC Traffic 2_121610-35

Project 2 - Niagara Falls Horse and Buggy_3077-15

Slow Rotating Daffodil Petals Close Up_030311-t57

Project 3 - Boston Red Sox Baseball_1203-40

Project 4 - South Beach Palm Trees_1206-39

Project 5 - HD Los Angeles Venice Beach 2_1191-52

Project 6 - Lincoln Theater_1206-13

Project 7 - City Sprawl 2_10007-5

Project 8 - Packing the Cannon 2_1343-30

Huddle of Reenactors_1343-32



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