

# Computer Animation Graphics & Animation Exercise 1: Stop Motion

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# STOP MOTION

## Definition

Stop motion is an animation technique to make a physically manipulated object appear to move on its own. The object is moved in small increments between individually photographed frames, creating the illusion of movement when the series of frames is played as a continuous sequence.

# Animation – thinking in single frames

## TIMELINE



1 sekunde



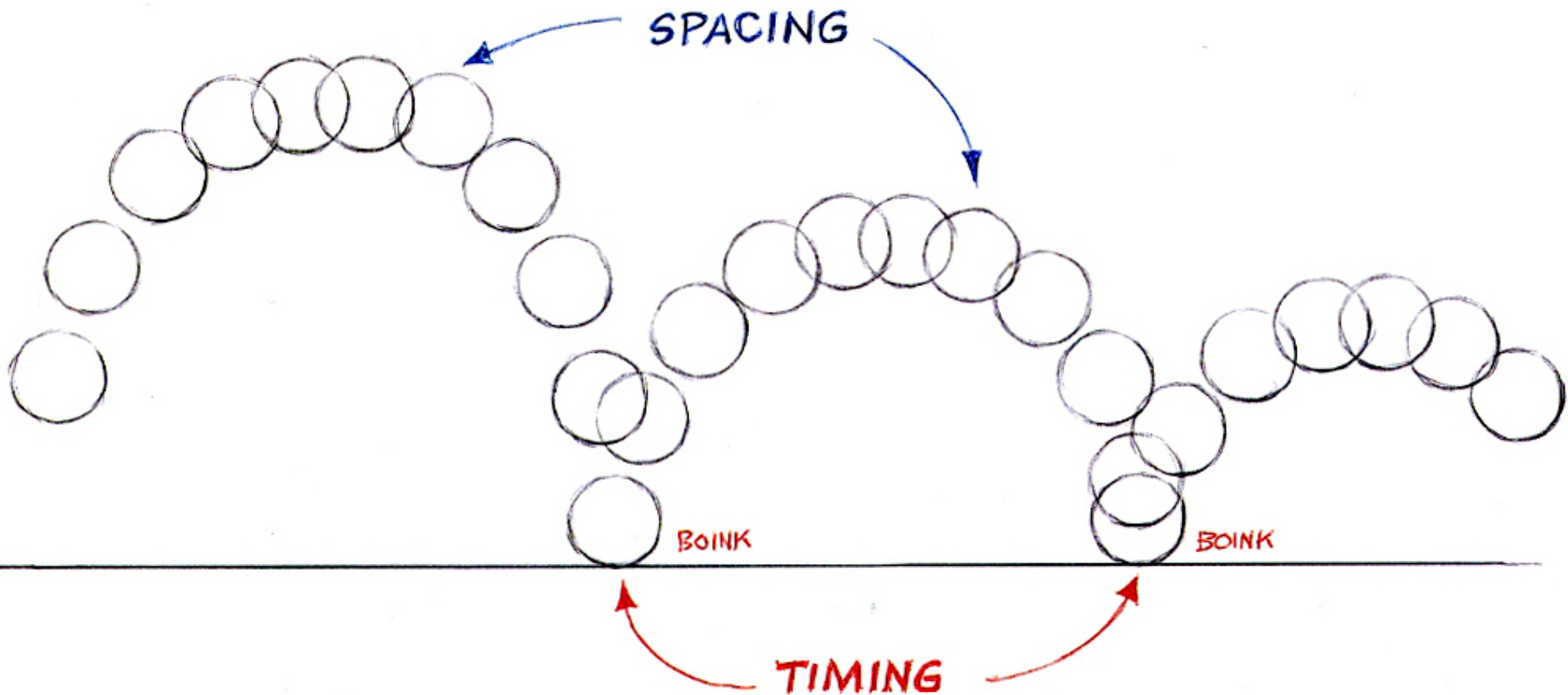
24/25 Bilder pro Sekunde (fps)

Animation

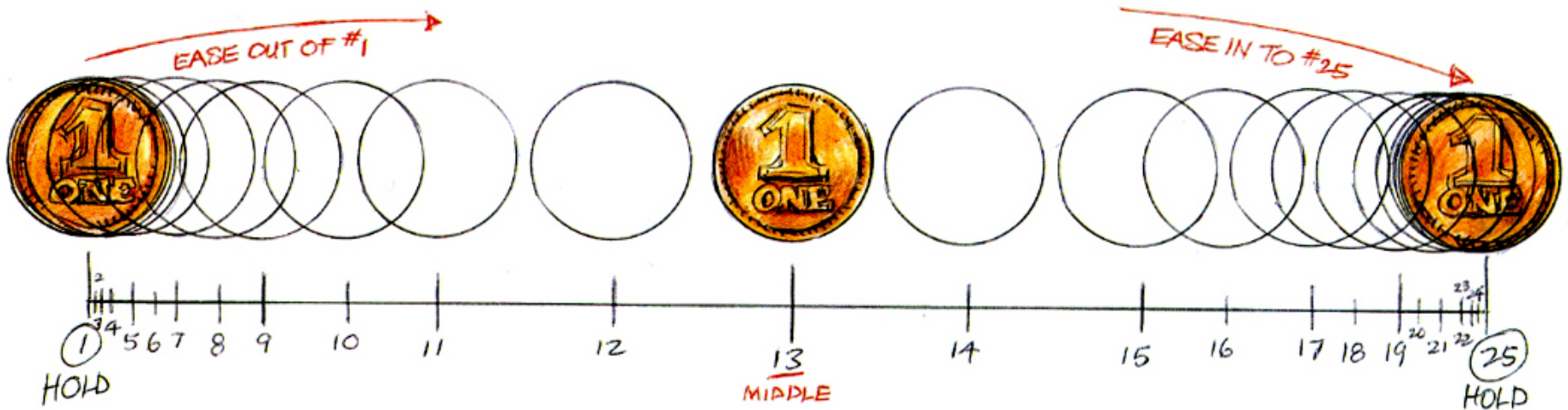
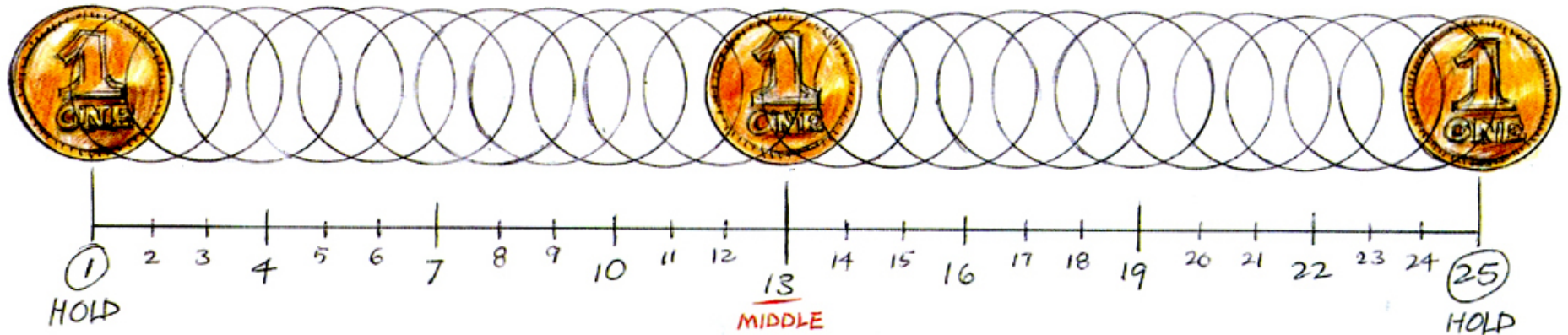


12,5 fps

# Spacing and Timing



# Spacing



# Exercise 1: STOP MOTION ,Plants and Machines'

- length: 1-2 mins
- recommended stop-motion software: dragon frame, Animator HD... : iStopMotion (mac only), etc.
- add sound (freesound.org; www.freesfx.co.uk ...)
  - creative commons, no GEMA!
- resolution: 720p HD video (1280 x 720 px)
- please use h264 oder theora codec...
- ... And refer to the vimeo compression guidelines  
*<https://vimeo.com/help/compression>*

# Exercise 1: STOP MOTION

## *,Plants and Machines'*

- create motion through objects that move/transform/change position *and/or* deliberate camera movement
- create a sequence that is aesthetically balanced in its arrangement and rhythm.
  
- switch off auto-exposure to avoid flicker
- define white balance before shooting
- tripod recommended

# STOP MOTION exercise

- Deadline: Monday 27.04.2015
- Documentation/making of: describe and document your idea, the concept, planning and shooting (workflow, setup, tools) of the film in word&image, 2 DIN A4 pages
- If you exceed the possible data volume of your mailaccount use your personal webspace or shibboleth
- Name file as: *NameSurname\_MatrNr.avi/mp4/ogg* !
- ... and send to [bernhard.bittorf@uni-weimar.de](mailto:bernhard.bittorf@uni-weimar.de) and [aline.helmcke@uni-weimar.de](mailto:aline.helmcke@uni-weimar.de)



# STOP MOTION exercise

## Assignment

- Concept, Idea, Sound (25%)
- Animation, Motion, Aesthetics, Timing (40%)
- Lighting, Material (20%)
- Documentation, Basics (15%)

- Theodore Ushev *Demoni*: <https://vimeo.com/55006092>
- Max Hattler *ANAAT*: <https://vimeo.com/27808714>
- Shynola *Strawberry Swing* (Coldplay): <https://vimeo.com/30704496>
  
- Shugo Tokumaru *Katachi*: <https://vimeo.com/58022280>
- <http://kijekadamski.blogspot.de/2013/03/making-of-katachi.html>
  
- Johnny Kelly *Back To The Start*: <https://vimeo.com/28355660>
- [vimeo.com/28349065](https://vimeo.com/28349065)