


*The Art and Science of Depiction*

**Limitations of the Medium,  
compensation or accentuation:  
The Image is Static**

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**Icons**

- Role of pictures/artists
- Iconoclasts



Limitations: static 2

**Icons: canon**


- Millet-Van Gogh



Limitations: static 3

**Icons: canon**

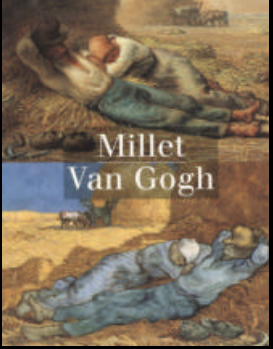
- Millet-Van Gogh



Limitations: static 4

**Icons: canon**


- Millet-Van Gogh



Limitations: static 5

**Icons: canon**

- Hokusai – Jeff Wall



Limitations: static 6

## *Icon: canon*

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- Scorsese
- La femme Nikita/Point of No Return
- White House

Limitations: static

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## *Movie anyone?*

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- A Personal Journey through American Cinema with Martin Scorsese
- Le Mystère Picasso
- Making of Toy Story

Limitations: static

8

## *Talk*

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- Who will talk after Spring Break?

Limitations: static

9

## *Assignments*

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- Readings
  - Different choices
  - Summarize to others the next week (send me the summary)
  - Prepare questions for the text you have not read
- Solso *Cognition and the Visual Arts*
- Essay
  - Exploratory or Picture comment

Limitations: static

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## *Personal Meeting II*

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- Class
- Essay
- Project

Limitations: static

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## *Plan*

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- The picture is flat
- The viewpoint is unique
- The image is finite, it has a frame
- The picture is static
- The contrast is limited
- The gamut (palette) is limited

Limitations: static

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## *The picture is static*

- Single snapshot
  - Content
  - Time & Pose (not at rest)
  - Viewpoint
  - Blur, Action lines, path
- Multiple snapshot
- Metaphor
- Pictorial
- Op' Art

Limitations: static

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## *Content*



Limitations: static

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## *Content*

- *Constable, View on Stour*



Limitations: static

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## *Content*

- *George de la Tour, Penitent*



Limitations: static

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## *Content*



Limitations: static

17

## *Content*

- M.C. Escher, *Waterfall*



Limitations: static

18

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Limitations: static

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## *Pose*



Limitations: static

20

## *Deviation from the resting position*

- Andrew Wyeth, *Wind from the Sea*, 1968



Limitations: static

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## *Pose*

- Guericault



Limitations: static

22

## *Pose accentuated*

- Lartigues (effect of curtain shutter)



Limitations: static

23

## *Egyptian vs. Greek*



Limitations: static

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## Pose Effectiveness

- Effective for 3 year old, no for 2 year old [Amen 1941]

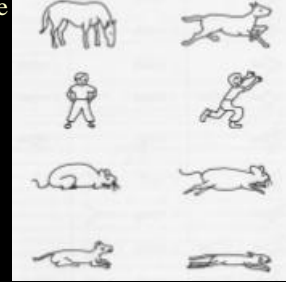


Limitations: static

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## Pose Effectiveness

- Effective for 3 year old, no for 2 year old
- Then decline with age

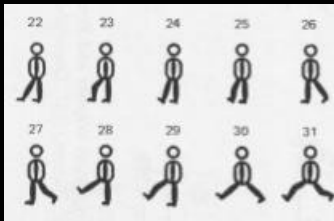


Limitations: static

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## Pose Effectiveness

- Effective for 3 year old, no for 2 year old
- Then decline with age
- The more dramatic, the better



Limitations: static

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## Pose Effectiveness

- The more dramatic, the better



Limitations: static

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## Pose Effectiveness

- Philippe Halsman, *Dali Anatomicus*, 1977

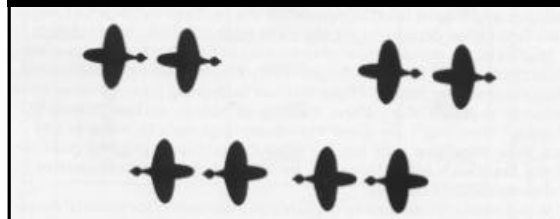


Limitations: static

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## Orientation

- Left to right in Western culture
- Chinese calligraphy...



Limitations: static

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Limitations: static

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## Viewpoint

- + lines +pose



Limitations: static

32

## Viewpoint

- +pose



Limitations: static

33

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Limitations: static

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## Path of Movement – Motion Blur



Limitations: static

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## Path of Movement



Limitations: static

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## Trails



Limitations: static

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## Trails

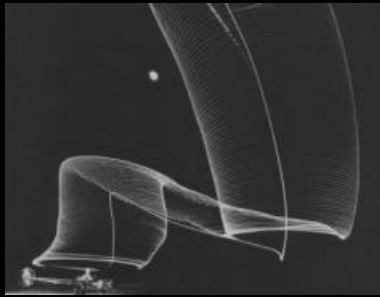


Limitations: static

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## Trails

- Feininger, *US Navy Helicopter Taking Off At Night*, 1949



Limitations: static

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## Motion Blur

- Star Wars, Lucas Film



Limitations: static

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## Motion Blur

- Luxo Jr., Pixar



Limitations: static

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## Motion Blur

- Velasquez

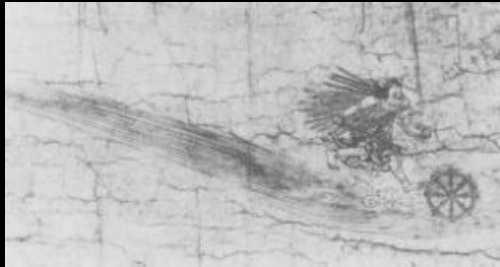


Limitations: static

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### *Motion Blur, Trail*

- *Child Attendant Flying down from Heaven on a Cloud, 1952*



Limitations: static

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### *Motion blur – Figure*



Limitations: static

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### *Motion Blur – Ground*



Limitations: static

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### *Motion Blur - Both*

- +Viewpoint, content



Limitations: static

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### *Motion Blur*



Limitations: static

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### *Cartoon – lines of movement*

- Keith Haring  
Untitled, 1982



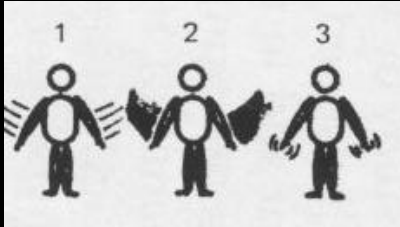
Limitations: static

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## Path of movements

- More effective for older groups (>8 year old)



Limitations: static

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## Path of movements

- More effective for older groups (>8 year old)
- Importance of exposure to pictures



Limitations: static

30

## Sculpture

- Umberto Boccioni, *Unique Form Of Continuity In Space*, 1913



Limitations: static

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Limitations: static

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## Multiple snapshots



Limitations: static

53

## Multiple snapshots



Limitations: static

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### Multiple snapshots – multiple images

- Gary Heery  
*Lion, Panthera  
Persica X Leo*  
(Fro Zoo)



Limitations: static

55

### Multiple Snapshots – one image

- *The Dance of Salome, Benozzo Gozzoli*



Limitations: static

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### Multiple snapshots – superimposed



Limitations: static

57

### Multiple snapshot – multiple gaze

- David Hockney



Limitations: static

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### Multiple snapshot: nature vs. nurture

- Head motion perception:
  - 3% rural Zulu, 86% White South African
- Cultural nurture



Limitations: static

59

### Multiple snapshots

- Masaccio and Masolino



Limitations: static

60

### Multiple snapshots

- Sassetta, *The Meeting of St Anthony and Saint Paul*, 1440



Limitations: static

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### Multiple Snapshots

- *Murder at the Pentagon*, TobiIndyke, 1993

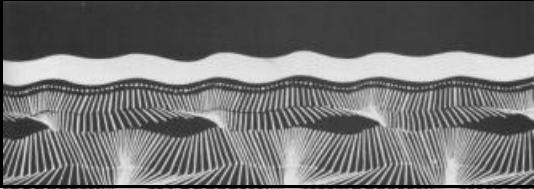


Limitations: static

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### Multiple snapshots

- Etienne-Jules Marey, *Chronophotograph*

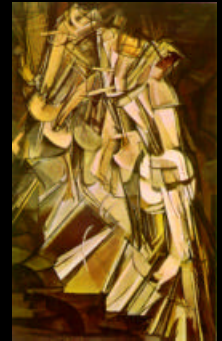


Limitations: static

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### Multiple Snapshots

- Marcel Duchamp *Nude Descending a Staircase* 1912



Limitations: static

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### Multiple Snapshots

- Giacomo Balla, *Dynamism Of A Dog On A Leash* 1912



Limitations: static

65

### Hockney



Limitations: static

66

## Multiple Snapshots

- Magritte, *Le Sorcier*



Limitations: static

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## Multiple Snapshots

- *A Dancer*,  
Pavel Tchelitchew



Limitations: static

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## Multiple Snapshots

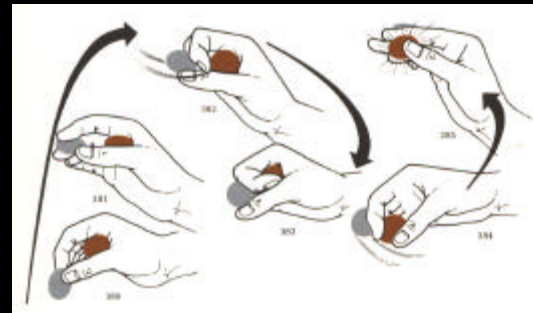
- Ingres, *Female Nude*,  
1826-1834



Limitations: static

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## Multiple Snapshots



Limitations: static

70

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Limitations: static

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## Metaphor



Limitations: static

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## Metaphor

- *Racing Automobiles*, Balla

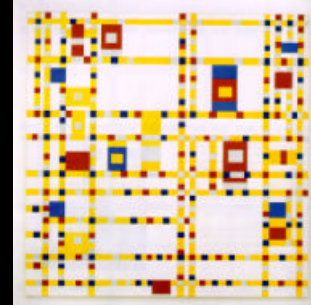


Limitations: static

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## Metaphor

- Mondrian  
*Broadway Boogie Woogie*,  
1942-43



Limitations: static

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## Metaphor

- Morris Louis, *Saraband*, 1959

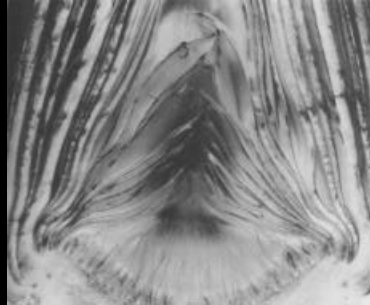


Limitations: static

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## Metaphor – dynamic form

- Weston, *Artichoke Halved*, 1930



Limitations: static

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## Metaphor – dynamic form

- Sidney Opera



Limitations: static

77

## The picture is static

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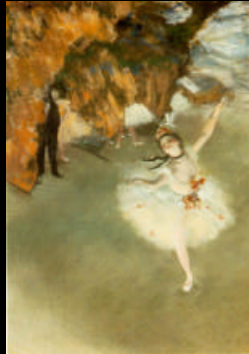
Limitations: static

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### Composition - balance

- Degas, *L'Etoile*
- Off-center, tension



Limitations: static

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### Composition - lines

- + Balance



Limitations: static

80

### Composition - gaze

- Turner



Limitations: static

81

### Composition - lines

- Van Gogh, *Starry Night*, 1889



Limitations: static

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### Composition - lines

- Barbieri, *Sybil Holding a Scroll*, 1590-1666



Limitations: static

83

### Composition - lines

- Tak Kwong Chan  
*The Horse –  
Away He Goes* 1980



Limitations: static

84

## Composition - grouping

- Arthus Bertrand



Limitations: static

85

## Abstract

- Claude Melin,  
*Chanson De Geste*,  
1990



Limitations: static

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## Calligraphy

- Hassan Massoudy



Limitations: static

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## The picture is static

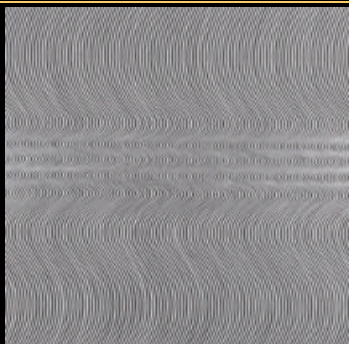
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Limitations: static

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## Op' Art

- Bridget Riley,  
*Current*,  
1964

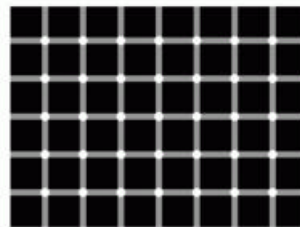


Limitations: static

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## Illusion

### Florida Election Recount



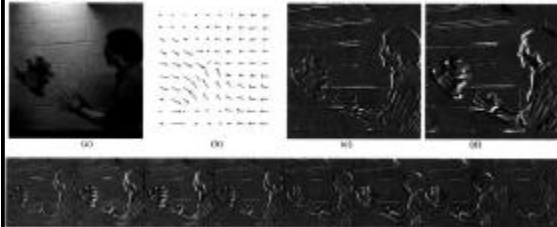
Count and total black dots for Al Gore and white dots for George Bush. Recount to confirm

Limitations: static

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## Motion without Movement

- [Freeman, Adelson and Heeger, 1991]
- Time sequence of images
- No movement but Sensation of motion

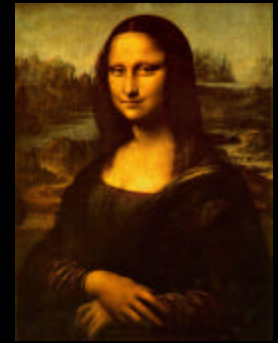


Limitations: static

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## La Gioconda

- Sfumato



Limitations: static

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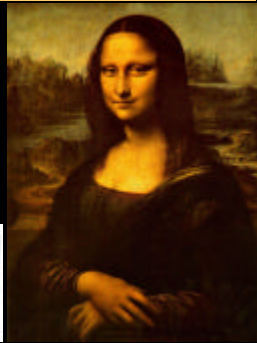
## La Gioconda

- Sfumato
- [Dr. Livingstone]
- Multiresolution vision



Limitations: static

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## A Paradigm...



Limitations: static

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## After Spring Break...

- Representation system
  - Drawing & perspective
  - Denotation
  - Tone & color

Limitations: static

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## The picture is static

TABLE 7.1  
Results of a Cross-Cultural Survey of Pictures Showing Movement

| Cultural period                             | Number of pictures viewed by first 25 judges of movement | Perceived movement indication |         |           |            |
|---|--|-------------------------------|---------|-----------|------------|
|   |  | Picture                       | Content | Nonmoving | Misleading |
| Ancient cave paintings                      | 79   | 25                            | 9       | —         | —          |
| Egyptian tomb paintings                     | 86   | 34                            | 17      | 1         | —          |
| Greek vase paintings                        | 88   | 25                            | 19      | 1         | —          |
| Medieval (Latin)                            | 80   | 25                            | 15      | 7         | 6          |
| Medieval                                    | —  | —                             | —       | —         | —          |
| Renaissance (da Vinci)                      | 58   | 25                            | 18      | 4         | 3          |
| Baroque (Rubens)                            | 884  | 25                            | 11      | 9         | 1          |
| Romantic (Fragonard)                        | —  | —                             | —       | —         | —          |
| Modern (Cézanne)                            | 83   | 23                            | 17      | 4         | —          |
| Abstract                                    | —  | —                             | —       | —         | —          |
| Oriental (Kakemono)                         | 50   | 22                            | 20      | 8         | —          |
| American (Marino)                           | 63   | 23                            | 12      | 17        | —          |
| French Fauvism (Matisse; Manguin; Derain)   | 883  | 24                            | 21      | 18        | —          |
| German Neue Sachlichkeit (Macke; Kandinsky) | 107  | 25                            | 11      | 5         | —          |
| Contemporary children's books               | 34   | 25                            | 18      | 6         | 7          |
| Contemporary newspaper comics               | 81   | 25                            | 9       | 9         | 7          |

Note: The sources for the pictures are in Appendix 3.

Limitations: static

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*The contrast is limited*

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Limitations: static

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*The gamut (palette) is limited*

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Limitations: static

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