• Do we have to measure? 
• Spatial relation within the whole 
• the total visual field

Visual experience is dynamic: interplay of directed tensions & the invisible center point 
• Establishing a correct distance 
• The structural skeleton

-Black disk on white square 
8 principle directions of space - tendency? 
Results: 1. Striving towards edges 
2. Cluster along axis of skeleton 
3. Stability around center 
* Lowest attainable tension level 
* "Dead center" is not dead 
* Rope Analogy

-Repelling forces 
- size of disk and square 
- location within 
  * a. * working together 
  * b. * unbalanced?!

-Psychological v. s. Physical Balance 
- opposite forces 
- trial and error v. s. balancing on the tip of the finger 
- hanging the canvas: visual center of gravity v. s. finger trick 
- photography: the dancer and the model

-St. Michael weighing Souls 
Austrian, c.1470 
* the strength of prayer & the dark patch 

-A Test by Maitland Graves 
  Set 1: a. every element stays in its place 
b. equality or inequality? 
  Set 2: a. a kite or a cross-like figure? Adrift in space 
b. reassuring clarity - successful disequilbrium
Weight and Spatial Depth
- weight & location: the structural framework, the center and counterbalance
- "vistas" greater balancing power!
- depth v.s. weight
- volume of empty space in front

Weight & Color
- red heavier than blue
- bright heavier than dark
- black v.s. white: the effect of irradiation

Weight & size, intrinsic interest, isolation
- larger the heavier
- subject matter & formal complexity
- the sun and the moon

Shape & Weight
- simple geometrical figures = heavier

*The Graves Test: counterweighing geometries
The influence of knowledge
- understanding materials and construction

Direction
- attraction & weight of neighboring elements
- the shape of objects: counterbalancing the gravitational pull

- Numerous factors acting with and against
- Weight counterbalanced through different forces
- Complexity creates liveliness!

Homogenous Texture: patterns composed of many units of equal weight

Top v.s. Bottom
- moving away from ct. of gravity
- more weight at the top

*CLASS EXPERIMENT*
- bisecting a perpendicular line

Weight at the bottom

Notre Dame and its rose window
- balancing the vertical & horizontal
- main mass of the façade
Right v.s. Left
-reading left to right, an affect of lateral asymmetry
-ascended & descending diagonals
-right v.s. left: given 2 equal objects

Why bother?
- stabilizing the forces
- striving for equilibrium in all phases
*Freud - the "pleasure principle"

Conclusion: Portrait of Cezanne's wife
- internal tranquility v.s. charged w/ energy
- scale of increasing slimness
- scale of increasing brightness
- 2 ovals: core of stability