











Principle of Hierarchies*

1. "All complex structures and processes of a relatively stable character display hierarchical organisation regardless of whether we consider galactic systems, living organisms and their activities or social organisations" (Koestler 1978: page 31).

2."Once we adopt the general picture of the universe as a series of levels of organisation and complexity, each level having unique properties of structure and behaviour, which, though depending on the properties of the constituent elements, appear only when those are combined into the higher whole, we see that there are qualitatively different laws holding good at each level" (Needham, 1945) cited by (Koestler 1978: page 32).

*STT Section 3.2.7

Creating Outstanding Systems Thinkers

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- Big picture: where cameras are used and for what purpose
- Operational: capturing images, transporting safely, viewing images, adjusting settings, and charging the battery
- Functional: capturing images, storing images, retrieving images, deleting images, battery charging functions, etc.
- *Structural:* camera body, camera case and charger
- Generic: painting, sketching and other image capture methods/devices
- Continuum: different types and models of cameras, different materials used to construct camera
- Temporal: evolution of the image capturing media from photographic plates to film to solid-state memory
- *Quantitative:* numbers pixels per inch, lens characteristics, etc.
- Scientific: depends on problem or issue

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