

The measurement of software design quality

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- A Feasible set of attributes has been identified which may be measured at design time.
- Establish a traceable set of quality metrics which extend from design attributes by formal or informal transition.
- A framework for development of software metrics based on structural/functional requirement.
- Emphasis on modular design was given
- According to the author traditional software metrics are unclear in their utility
- Attributes are the measurable qualities of software characteristics such as cohesion, coupling, data structures, program complexity and token selection
- Overall system complexity should be minimized using $C = S + L$
- Object oriented design can improve system architectures, requires its own set of metrics such as degree of inheritance, number of classes, number of objects etc.
- Quality can be measured and tracked using attributes.