Abstract

A system to be developed is expected to provide solution of a problem. After a careful identification of domains, an explicit, precise and well-engineered description is essential to develop an accurate solution providing system. Machine domain is formal while problem domain is informal. Description is like a platform for the developers to start and finish the development activities. Four principles regarding domain descriptions include von Neuman’s principle; Principle of reductionism; Montaigne’s principle and Shanley law. Graphs and models are also vital tools of domain description.

References

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**Index Terms**

Computer Science  
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**Keywords**

Problem domain, Machine domain, Reductionism, Analytical model, Iconic model, Analogic model