How to Deal with High Complexity?

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Keywords: Complexity Classes; Boolean Problems, Combinatorial Explosion, SAT-Solver; XBOOLE; Artificial Intelligence; Natural Intelligence.

1. Growing Complexity of Practical Tasks

As predicted by Gordon E. Moore in 1965 [1], the number of components in integrated circuits doubles approximately every 12 to 24 months. This exponential growth is very welcome in a wide field of application like control systems, computers, or ever the Internet of Things (IoT), but it is an extreme challenge to solve appropriate complex tasks.

2. Growing Complexity of Practical Tasks

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It is also important to reproduce the spacing of the text and headings as shown here. Text should be slightly more than single-spaced; use a leading (which is the average distance from the base of one line of text to the base of an adjacent line) of 13 pt and 10 pt for footnotes. All headings should be separated from the text preceding it by a vertical space of about 12 pt and by 6 pt from the subsequent text. Paragraphs should have its first line indented by about 0.25 inch except where the paragraph is preceded by a heading and the abstract should be indented on both sides by 0.25 inch from the main body of the text.

References

10. L. F. Richardson, \textit{Arms and Insecurity} (Boxwood, Pittsburg, 1960).


