
L^AT_EX @ *algo^{logic}*

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Abstract

Algologic Research Solutions is a specialised enterprise, based in Secunderabad, India. It derives its name from *algorithms* and *logic*. True to its name, *algo^{logic}* offers services related to the use of *algorithms*, and *logic* in software for automation. By virtue of its focus, much of the work at *algo^{logic}* is mathematical in nature. This motivates us to use L^AT_EX extensively. L^AT_EX provides an excellent means of recording the work done at *algo^{logic}*. This report explains how.

1 Preamble

algo^{logic} was launched in 1993, by Dr. Partha, as soon as he returned from United Nations University -- International Institute of Software Technology, Macau. One of the things he brought back with him was admiration and respect for Unix and L^AT_EX, both of which were used extensively at UNU/IIST. There was no hesitation in deciding to use these two tools extensively in *algo^{logic}* also. Luckily, very soon, Linux became very popular and accessible in india, so the switch over to Linux was very easy. L^AT_EX needed

some more preparation and good front-end tools. With the availability of Kile and Texmaker on all Linux platforms, even this obstacle was removed.

2 L^AT_EX at *algo^{logic}*

L^AT_EX related activities are now visible in *algo^{logic}* in many areas :

- Extensive use of L^AT_EX for all documentation and Technical reports of *algo^{logic}*. All these Technical Reports are downloadable from :

<https://drpartha.org.in/publications/downloadlatx.htm>

- Discourage use of traditional word processors.
- All trainees and students doing their final-year project work at *algo^{logic}* have to use L^AT_EX exclusively, for their project reports.
- Short (invited) courses and lectures on L^AT_EX
- Freelance assistance (by email) on L^AT_EX typesetting and related matters. For details, see <https://drpartha.org.in/publications/assistx.htm>
- Extensive documentation on L^AT_EX given away in the form of course handout
- Development of own L^AT_EX style sheets, and specialised commands (macros)
- Publications and lecture-demos related to L^AT_EX
- Special Editor for the PracTex journal.
Specific assistance to the Tex Users Group (TUG)
- Several downloadable tutorials created by Dr. Partha, are available on the web, at : <https://drpartha.org.in/publications/downloadlatx.htm> under a CC-BY-SA license.

3 About Dr. Partha

Dr. Parthasarathy (Dr. Partha) brings with him a very rich experience of about 25 years in the software industry.

He holds an Engineering Doctorate (Docteur In- genieur) from Grenoble, France and was also a Post-Doctoral Scientist, in Paris, France. He has visited and taught at several institutions worldwide (France, China, Thailand, Indonesia, Germany, Spain, UK). He is the author of several research publications and popular articles. He is an Editor of the international journal Engineering Applications of Artificial Intelligence , published from the UK by Pergamon/Elsevier Press. He is an aggressive supporter of the Free Libre Open Source Software (FLOSS) movement, and is a regular contributor to the international effort on Linux. His contributions are part of all major Linux distributions worldwide. One of his contributions has been translated (from English) into seven different languages ! Dr. Partha speaks French and English (and many other languages) fluently. He is a Senior Member of IEEE and a Fellow of IETE. You can interact with him, by e-mail, on : drpartha@gmail.com
For more details about Dr. Partha, please visit : <https://drpartha.org.in/>

References

- [1] Parthasarathy S, *Learning by hacking paradigm in L^AT_EX* (to be published shortly in PracTex Journal)
- [2] Parthasarathy S, *Learning by hacking paradigm in L^AT_EX – Part 2* (proposed)
- [3] Parthasarathy S, *All that glitters*, Mathematical education, Vol. 8 No. 3, Jan.-Mar. 1992.

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