Reflections on the history of the LATEX Project Public License (LPPL) — A software license for LATEX and more

Frank Mittelbach

Abstract

In August 2010 the IATEX Project Public License (LPPL) was finally listed by the Open Source Initiative (OSI) as a free software license. This marks the endpoint of a long set of discussions around the TEX community's predominant license.

This article reflects on the history of the license, the way it came about, and the reasons for its development and content. It explains why it was chosen even though alternative free licenses have been available at least from 1990 onwards.

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1 Introduction: Why a special license?

1.1 The early days of the TeX community

When Donald Knuth in 1982 published the TEX program it was one of the first, if not indeed the first, major program to be published as documented source in its entirety. As such it forms an early example of "free software", well before this term was more formally defined by Richard Stallman in the free software movement, and well before one of the most influential free software licenses—the GNU GPL—was released in 1989.

Instead of a more elaborate license the source of the TEX program contained (and still contains) the interesting copyright and license information shown in Figure 1 on the following page. The motivation for this small set of clauses was to ensure that documents written for the TEX engine would be readable for the foreseeable future and indeed, TEX and its extensions

still compile documents written in the early 1980s and produce output exactly as intended.

In those days, when the TeX community was born, the Internet was mainly restricted to academics and used for knowledge sharing. Commercial aspects hadn't yet entered the space and spam wasn't a known phenomenon. As a result, not much got formalized and there was a general trust that others would respect your ideas and would together help in improving and developing them. People spent countless hours on developing code and ideas and made them available (typically free of charge) to others. Most people didn't bother with any formal copyright notice, some had statements like "Copyright date name All rights reserved" while others explicitly placed their work in the "public domain".

Legally, all such works that were developed without granting explicit rights to others (e.g., by stating those rights in a license, or by placing the material into the public domain), didn't offer anybody a right to work with the material, or to use it for private or commercial purposes without explicitly obtaining this right from the copyright holder. So the simple copyright line "Copyright (C) 1992 by Leslie Lamport" (from the old LATEX 2.09 sources) could probably have been used to go after anybody who made use of LATEX whether for their PhD or for typesetting books for publication and sale.

But of course, nobody understood those lines in this way. They were correctly understood as only marking the intellectual ownership of the code but in the mind of the community and, I would think, in the minds of most if not all of the developers, not as a mechanism to restrict any "proper" use of the material. Now the interesting part here is "proper": as most people spent considerable free time in developing their work, there was a base assumption in the community (and other software communities) that while such work should be freely available, those that use it should also in one way or the other contribute to the whole setup. Commercial use was frowned upon by most as a way to take away the work of others for profit without a benefit for the community, so (not surprisingly) after a while works appeared that explicitly stated "Freely usable for non-commercial" usage", or "Commercial use not allowed" in addition to a copyright notice.

Again, I would claim, back then nobody really understood the implications and the legal situation created with such statements—I certainly didn't when I developed my first packages for IATFX: I

¹ In a legal sense this isn't the correct interpretation as just explained.

```
% This program is copyright (C) 1982 by D. E. Knuth; all rights are reserved. % Copying of this file is authorized only if (1) you are D. E. Knuth, or if % (2) you make absolutely no changes to your copy. (The WEB system provides % for alterations via an auxiliary file; the master file should stay intact.) % See Appendix H of the WEB manual for hints on how to install this program. % And see Appendix A of the TRIP manual for details about how to validate it.
```

Figure 1: License of TEX, the program [3]

simply copied such lines that I had seen in other works. Especially a statement like "No commercial use allowed" was way over the top, since everybody was happy if his or her package got used to produce fine books or published articles and in most cases that meant the work was commercially used.

1.2 Digression: The multicol license

The fact that such statements were not a dull sword was something I learned to my surprise at one point when I got approached by somebody for special extensions to multicol which took me quite some time to implement. At several points in the discussions I asked about the background for the requests and finally got told that they had no intention of telling me or anybody or making any of their part of the work available to others as they wanted to make money from it and that I should stop bothering them. The way this was done got me slightly mad and so I pointed out "heh, have you read the license statement on multicol about commercial usage not being allowed?" That made the email correspondence come to an abrupt halt for a moment and then a day or two later I had the company lawyers asking for my phone number in Germany to discuss this and reach some settlement and license agreement. Well, I was certainly young and naive back then² so I didn't come out rich from this and probably wouldn't have either way, but it sure felt good that I had a lever to stop being taken for an absolute imbecile that could be made to work for free under false premises.

This was about the first time I got some awareness about the importance and power of licenses as well as of the fact that what was out there wasn't really what people intended. As I wasn't interested in making money from LaTeX software and normally would have wanted to use my stuff freely and free of charge, some refinements were really in order. Thus, about to sell my soul and negotiate a special license with this company I had to come up with some idea of an acceptable license (including a license fee). I ended up with a sort of psychological experiment, which was partly my coward's way out of not wanting to deal with license fees and partly some genuine

interest on what would happen. The result was perhaps the most curious license ever drawn up in that I required for certain commercial usages of multicol the licensee to determine the importance of it for his or her circumstances and determine the license fee from that.

I must say that the experiment as such was a success as it provided me with some interesting insights into human psychology, though I can't recommend it to anybody who wants to make money from software or other works. Not that I want to imply that no license fees got paid: over the years I got a number of nice presents, a book in Japanese (with a 100 Deutschmark note inside I nearly overlooked as it was hidden and nowhere mentioned), and a few other things, so all in all, some pleasant surprises.

Somewhere around 2000 I changed the license for multicol to the LPPL but to honor the history (and to continue the experiment) I kept the previous license now toned down to a "Moral Obligation" so people are free to ignore it completely if they wish to, while previously they were only free to set the fee to zero by stating that this is the value they attach to their use of multicol.³

1.3 The GNU GPL—A new star on the horizon

Returning back to history: in 1989 Richard Stallman published the first version of the GPL (General Public License) [1] for use with programs released as part of the GNU project. Richard intended the GPL to become a license that could be used with any free software project and in that he spectacularly succeeded (Wikipedia reports for 2007 a penetration of roughly 70% on major sites such as SourceForge.net). Since its first introduction the use of the GPL in the free software development communities increased steadily to reach these impressive figures, especially in communities that were concerned with developing programs for individual use. The strong copyleft [2] provided by the GPL gave the programmer who used the license the confidence that their work would benefit the whole world and any future development

 $^{^2}$ I can report the first attribute has changed since then.

³ Interested people can find the wording of this "Moral Obligation" at the top of the multicol.sty or .dtx file [4]. It is nearly identical to the earlier license statement.

Our aim is that LaTeX should be a system which can be trusted by users of all types to fulfill their needs. Such a system must be stable and well-maintained. This implies that it must be reasonably easy to maintain (otherwise it will simply not get maintained at all). So here is a summary of our basic philosophy:

We believe that the freedom to rely on a widely-used standard for document interchange and formatting is as important as the freedom to experiment with the contents of files.

We are therefore adopting a policy similar to that which Donald Knuth applies to modifications of the underlying TEX system: that certain files, together with their names, are part of the system and therefore the contents of these files should not be changed unless the following conditions are met:

- they are clearly marked as being no longer part of the standard system;
- the name of the file is changed.

In developing this philosophy, and the consequent limitations on how modifications of the system should be carried out, we were heavily influenced by the following facts concerning the current widespread and wide-ranging uses of the LATEX system.

- 1. LATEX is not just a document processing system; it also defines a language for document exchange.
- 2. The standard document class files, and some other files, also define a particular formatting of a document.
- 3. The packages that we maintain define a particular document interface and, in some cases, particular formatting of parts of a document.
- 4. The interfaces between different parts of the LaTeX system are very complex and it is therefore very difficult to check that a change to one file does not affect the functionality of both that file and also other parts of the system not obviously connected to the file that has been changed.

Figure 2: Excerpts from the 1995 document "Modifying LATEX" [5]

based on their code would remain free, rather than being exploited by software companies that would not return anything back to the community.

Within the TEX — and especially LATEX — community, however, the GPL played only a niche role. The community starship, the TEX program itself, came with its own very specific license "change my name if you want to change me" and many people (if they had bothered with some explicit license at all) had adopted a similar approach or had used lines like "freely usable for non-commercial purposes" as explained earlier.

1.4 The move from LATEX 2.09 to LATEX 2ε

In 1993 the LATEX project released a fundamentally

new version of LATEX. This new version (LATEX $2_{\mathcal{E}}$) for the first time got an explicit license in the form of a file called legal.txt which inside had the title "LATEX $2_{\mathcal{E}}$ Copyright, Warranty and Distribution Restrictions". One can think of this file as the very first version of the LPPL, though it wasn't called that in those days and it was a lot simpler than the license under which LATEX is made available today.

Perhaps the most important aspect of it (which later on also turned out to produce the biggest controversy) was the list of restrictions that apply when producing changed versions of files from the IATEX system, the most prominent being

* You rename the file before you make any changes to it.

This was directly modeled after Don Knuth's license for TEX and within the TEX community there was broad consensus this this was an adequate approach to balance between the freedom of the individual to be able to reuse and modify the code if so desired and the importance of LATEX as a communication language where people relied on being able to faithfully reproduce a document written in one place elsewhere.

⁴ This situation has changed only marginally over time. The majority of the packages for LATEX now use the LPPL for their license, though many of the executable support programs and some package use the GPL. More precisely, in October 2010 we had 3849 products/packages listed on CTAN of which 592 (i.e., about 15%) were distributed under GPL and 1751 (i.e., about 45%) used the LPPL; the remainder (many of them fonts) had other licenses. And even if you just look at non-LATEX works, this means the GPL is used by about 28% so still significantly less than in other free software communities.

This license is an incomplete statement of the distribution terms for LATEX. As far as it goes, it is a free software license, but incompatible with the GPL because it has many requirements that are not in the GPL.

This license contains complex and annoying restrictions on how to publish a modified version, including one requirement that falls just barely on the good side of the line of what is acceptable: that any modified file must have a new name.

The reason this requirement is acceptable for LATEX is that TEX has a facility to allow you to map file names, to specify "use file bar when file foo is requested". With this facility, the requirement is merely annoying; without the facility, the same requirement would be a serious obstacle, and we would have to conclude it makes the program non-free.

The LPPL says that some files, in certain versions of LATEX, may have additional restrictions, which could render them non-free. For this reason, it may take some careful checking to produce a version of LATEX that is free software.

Figure 3: Excerpts from Richard Stallman's analysis of LPPL 1.2 [6]

1.5 Challenged by GPL evangelists

While the TEX community was content with the status quo, people in the "GPL" world who used TEX and LATEX felt uncomfortable with the licenses in use and started to lobby for using the GPL within the TEX community, as they felt that it was an unjustified restriction to be forced to change a file name prior to making changes to it. The GPL doesn't pose any such restriction: you can modify a work and distribute it without providing any easy visible clue to its changed content.⁵

In essence two different world views on what is "free software" and who should have what rights clashed head-on for the first time. The GPL view is largely focused on the individual programmer, with the purpose of the GPL being to offer him or her a maximum of rights on using and manipulating the work as well as ensuring that such rights can't subsequently be taken away. On the other hand, the T_FX program license and later the LPPL acknowledged the fact that TFX and LATFX defined a language for communication and that the definition of such a language needs to remain stable to serve as the means of communication, i.e., it tried to achieve a balance between the individual right of a programmer to freely use the work and the community right of the users of this language to rely on the work to be faithfully representing the language itself and thus making communication possible.

In response to suggestions that the modification and distribution conditions for the files constituting the LATEX system should be similar to those implied by Version 2 of the GPL, the LATEX project team published the document "Modifying LATEX" [5] in an attempt to clarify the position of the LATEX Project team and to explain the rationale behind the license decision. Some relevant excerpts from this document are shown in Figure 2 on the previous page. The document also gave explicit guidance on how to freely change a LATEX system in any way desired, either through customization or — if really needed — through producing a new system only based on the LATEX code.

In 1995 Chris Rowley and I also met face to face with Richard Stallman to discuss the Free Software Foundation (FSF) concerns about the LaTeX license and as a result of this meeting and some subsequent email discussions (in which we discussed a number of aspects of the license and clarified or changed several of them), Richard acknowledged LaTeX (and its at that point somewhat incomplete license statement) as free software.

Nevertheless, Richard made it very clear that he didn't like the approach taken by TEX and LATEX and published his viewpoint as an analysis of the license on the GNU web pages [6] of which excerpts are shown in Figure 3. (The current page states that

⁵ This is an oversimplification, as the GPL requires that "You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change." However, in a context like IATEX where many files are loaded in the background, this would mean a user would need to check hundreds of files for modification information to ensure that he or she is using the official versions when they get loaded by \usepackage etc. In contrast, if a file name change in case of modifications is required then this problem vanishes as the documents by themselves identify what they expect.

⁶ Looking through my email archives I found the following beauty from the end of this discussion (the slanted text is from Richard, the reply was from some member of the IATEX project team who shall go unnamed):

Ok, I believe that the methods you've described for modifying LaTeX 2e are adequate, so that LaTeX 2e can be considered free software.

Hoorah hooray, let the jubilation commence! LaTeX is free software after all!

[—]as it turned out, this conclusion was a bit premature.

this analysis applies to LPPL 1.2, but the excerpt more or less corresponds to the wording that was on the GNU web site at the time.)

I'm not going to attempt to defeat his points here, some are certainly well taken and others are a matter of opinion and anyway, time has moved on because the license text has greatly evolved from the legal.txt of 1993, via LPPL 1.0 in early 1999, to LPPL 1.2⁷ at the end of 1999, and ultimately to LPPL 1.3 in 2003.

2 The evolution of the LPPL

2.1 An attempted cleanup

In the years between 1995 and 1999 a lot of new software got written for LATEX and other flavors of T_FX. Most of this software was made available through CTAN (the "Comprehensive T_FX Archive Network") and regularly through T_EX distributions such as "TFX Live" or teTFX. One growing problem faced by these distributions was the number of different licenses under which all such packages in the distribution were made available. LATEX core had its legal.txt but everything else had its own license and though there was the general belief that all or most of it was free software, depending on the viewpoint this wasn't true. In many cases, different strings were attached to individual packages so that a user of, say, LATEX would have been required to look into every package used to understand what he or she was allowed to do with it.

So in 1998 or thereabouts, an attempt was made to ease this situation: People wanted to produce a "free" TEX distribution for Debian, and to make such a distribution in any way useful it was necessary to ask for license changes in many packages or otherwise exclude them as "non-free". This was quite a heroic act undertaken by a few individuals⁸ in their spare time, as it often involved tracking down package authors that had moved on to other pastures and had completely forgotten that they had written some TEX or LATEX package in their former lives. (According to Karl Berry this kind of work continues to this day, as legal terms unique to a given package continue to be discovered, despite efforts at comprehensive reviews.)

During that time the idea came up to turn LATEX's legal.txt into a generally usable license,

so that package authors could simply refer to it as the license they use for their works. So this was the underlying reason for the attempt to write up the LPPL and in March 1999 version 1.0 of this license was made publicly available. But as you can imagine, writing a license is a nontrivial act, thus we had many discussions on how to express the intent behind the license with the result that in fairly rapid succession (all still in 1999) versions 1.1 and 1.2 appeared. Looking back, the changes we made from legal.txt via LPPL-1.0 to LPPL-1.1 to LPPL-1.2 were not all necessarily for the better, so some of Richard's criticism certainly holds true for these early attempts. What we changed for LPPL-1.3, with the help of some more legally trained people from Debian, was ultimately considerably more significant.

2.2 Digression: The GNUTEX 0.x project

Concurrently, but unrelated to the efforts mentioned earlier, the GNU project (that was also quite heavily using TEX in the form of Texinfo for documentation) got interested in shipping a "free TEX distribution" with the GNU software and was looking at which of the existing distributions might fit the bill—to which the answer was none.

As Richard later explained to us, he became exceedingly concerned that none of the major TEX distributions could be distributed by GNU so he approached Thomas Esser (maintainer of the teTEX distribution) to ask if it would be possible to separate the distribution into a free and a non-free part. Thomas said yes, but that this would take quite some time. So Richard asked within the GNU project if there would be people to help Thomas with this.

At this point somebody came forward and suggested that he would be interested but would prefer to build a new free distribution from scratch instead of helping to update teTeX. Richard gave his okay and as a result a TeX distribution called GNUTeX got produced. As it turned out (not really a surprise given the license situation in the TeX world) the first public beta of this distribution was very much crippled, but what made matters worse was that it completely ignored the existing license conditions of the packages it included, for example, by not distributing the LaTeX source documentation, i.e., its .dtx files.

When this became known to the LATEX project, David Carlisle tried to reason with the maintainer of this new distribution and asked him to update it. Unfortunately this resulted in very strange statements, such as that he would remove files written by David and have people "write free replacements" for them,

 $^{^7}$ LPPL 1.1 lived for a very short time with only minor differences in wording, but not content, from 1.2—in essence we had to get our act together and that took some attempts and some time.

⁸ Names that stick out in my memory are Sebastian Rahtz and Thomas Esser, though I'm sure others have helped too.

continuing to bluntly disregard the LATEX license details that stated that LATEX had to be distributed as a whole.

It came to a climax with some messages making personal comments against the LATEX developers, and in particular David. At this time I joined this debate by asking Richard if this person was really speaking for GNU, expressing my belief that if that was indeed the case, then this would show that the free software movement was in parts in a very sorry state. In a very personal email Richard replied with an apology for the damage that has been done in the name of the GNU project and in particular the verbal insults that some of the senior members of the LATEX project team had to endure while defending some core rights for which the GNU project and the FSF were actually fighting. After some further discussions, to get to the bottom of the dispute he ensured that GNUTFX was taken off the archives and that was the end of it.

What I took away with me from that episode was that it is unfortunately very easy get carried away with the idea that "free" means that others have no rights worth preserving.

2.3 The issue with unmaintained packages

By the turn of the century many people thought that the fight over licenses in the TEX world was over. TEX and LATEX and many other packages had licenses that were accepted as "free software licenses" by the FSF and more and more authors of packages with questionable licenses changed them or simply placed their work under the LPPL from the beginning.

However, we now started to realize that the LPPL in itself posed a problem for packages that lost their author/maintainer because he or she lost interest in the work or passed away as it sadly happened in some cases. As the LPPL required a name change in case of modification, a new maintainer of a previously unmaintained package couldn't fix bugs or extend the functionality without changing its name. In this way, perfectly good names could get lost for the LATEX language—just because of the attempt to preserve the language integrity in the first place.

So in 2002 the idea was born to modify the LPPL once more by including a maintenance clause that would allow a person under certain circumstances (normally when a work was orphaned) to take over maintenance and in some sense ownership. The clause was written in a way such that it was up to the author of a work to allow or prevent this clause to apply.

On the whole I believe that this proposed license extension was a good idea as it further helped to

stabilize LATEX as a reliable language. But it had an unfortunate⁹ side effect that everybody interested in free software licenses started to take another look at the LPPL.

The first person to ask was Richard, and I sent him a draft of the intended changes and explained their intentions. His reply was that he saw no issue with any of them.

2.4 The Debian dispute

While a new draft of the LPPL that contained a first version of the maintainers clause got discussed on the LATEX project list one of its subscribers, Claire Connelly, explained that within the Debian community some people were unhappy about the LATEX license and considered it nonfree (proposing to ban LATEX from Debian distributions). She volunteered to initiate a license review on the Debian-legal list so that any issues with the license would be moved from the level of vague rumor to a level of facts that could be discussed intelligently.

However, a bit of a pity was that the first draft of LPPL-1.3 got presented which was not very clear, and thus added to the underlying misunderstandings rather than helping to clear them up. For example, one of the initial reviews remarked: "so my one-line summary of the license would be 'We hate forking'" which doesn't even remotely represent the intentions behind the license. Eventually, all such misunderstandings got resolved, but it took considerable effort. To be more precise, it took roughly 1600 messages (between July 2002 and June 2003) on the debian-legal list and elsewhere to sort them out and improve the wording to what in the end became LPPL-1.3.

In retrospect it turned out to be fairly difficult to identify the core reasons that led to this massive email exchange but from recollections there have been two major sources: textual and legal deficiencies in the license as such, and a head-on clash between different interpretations of "freedom". As a result, the discussions on Debian-legal were essentially with two only partly overlapping factions: a group of people who seriously wanted to understand the intentions behind the license and who where interested in providing guidance on how to improve it, while ensuring that it would meet the DFSG (Debian Free Software Guidelines), and a second group of people largely concerned about the rights of the programmer to modify code ad lib without any restrictions. The tenor here was "a requirement to rename is a

⁹ Or perhaps fortunate when looking at the final outcome. However, if I would have known beforehand the amount of work that it took to get there, I would have let things lie.

restriction" and therefore unacceptable. In other words, an important requirement for "freedom" was the ability to modify some work in situ. For many situations this is an understandable requirement, e.g., when fixing bugs or when extending functionality. It does, however, become a bit blurry when modifications result in changing expected behavior. In that case one can argue that there is also the right of the recipient/user of the work to consider: to not be deliberately misled.

As an example, an interesting thread within the discussions spawned from a statement made by Boris Veytsman: "I am FOR the freedom of speech. However, I am against the freedom of my grocer to call a 950g weight 'a kilogram'." The replies were interesting and ranged from the opinion that the Debian project has no intention of supporting deliberate fraud (i.e., in this respect supporting his position) all the way to the claim that this would be acceptable behavior and needs to be supported in the spirit of freedom. Clearly there isn't any way to bridge the chasm between such widely different opinions with a license text and that was not attempted, though quite some energy was used on either side to argue the respective positions.

Leaving aside the discussions around the more extreme positions, the core point of dispute was the attempt of the LPPL to protect LATEX as a language for interchange. By the nature of the beast this means acknowledging that in LATEX file names of packages, classes, etc., are part of the (extensible) LATEX language, i.e., each package extends or alters the language and its name together with its functionality becomes part of LATEX when it is loaded. That is, by \usepackage{name} the user requests a certain package with a specific behavior upon which his document then relies.

To continue the above analogy, when a user loads the hypothetical package *weights* for typesetting grocery data then his document should not typeset 1kg at some installations, but 950g at others, as that would render LATEX as a language useless.

In the end we settled for a toned down version of this requirement: although the LATEX Project still strongly recommends a name change in case of modifications, the license alternatively allows for producing in situ modifications of components provided the derived work clearly and unambiguously identifies itself as a modified version of the original component to the user when used interactively in the same way the original component would identify itself to the user (Clause 6a of the license). In the case of a LATEX package that would typically be achievable through an appropriate change of the \ProvidesPackage decla-

ration. However, the LATEX project team still recommends to use the name change approach and within the TEX community this is the predominantly used method. Whenever documents are intended to be exchanged this is the only safe way to ensure that your document typesets as intended and remains so over time. How powerful this approach is can be seen in the fact that with a few exceptions TEX and LATEX documents from the last two decades can be still successfully typeset today.

Returning to the evolution of the license, on June 18th 2003 the Debian legal community agreed that LPPL 1.3 is a free software license with respect to the DFSG guidelines. This marked the endpoint of the active license development.

2.5 OSI certification

After the LPPL got accepted by Debian there was some discussion about submitting it also for approval through the Open Source Initiative, but effectively we had run out of steam. It would have meant (another) round of formal submissions and most likely discussions about wording and content and at least I didn't feel up to it at that time. But it was a somewhat naggingly open issue that the license wasn't certified by OSI, given that the LPPL codified the accepted behavior in a large and active free software community.

Fortunately, Will Robertson, a new member in the LATEX project, took up that task and on the rather nice date 09/09/09 approval from the OSI was sought in the category: "Licenses that are popular and widely used or with strong communities".

As it turned out my fears of a repetition of the DFSG experience were groundless; it took about two dozen email exchanges to get the license accepted without any request for modification and only about two months later on Wednesday, November 11, 2009 the OSI Board formally approved it [8]. It then took nearly another year until the Open Source Initiative updated their web site, but in August 2010 the license finally appeared there [9].

3 Conclusions

From the history it seems fairly obvious that there are a good number of reasons why it is helpful to have a fairly uniform license landscape in a community like the TEX world. Does it have to be the LPPL? That question is less clear and as the discussions above have shown a matter of opinion and controversy. But on the whole I believe the answer is yes; the time and effort was well spent and the community has benefitted from it.

On the surface, languages like Perl or Python have issues similar as LATEX. So why doesn't LATEX use the GPL as they do? I guess the answer lies in the unique elements in the structure and usage of LATEX (and perhaps its community?). It consists of a very large and complete collection of third-party packages in its standard form of distribution and all of this forms the language which the community expects to be able to use interchangeably. The other important difference is that for a library in Perl or Python that implements a set of functions it is normally well understood what represents a "correct" implementation of these functions, e.g., a time conversion function or a mathematical formula is either implemented correctly or not—but it is not going to be a matter of "taste".

In the area of typography, however, "correctness" has no reasonable definition and so it is not surprising that people have different opinion on what looks good or how something should be improved. This is perfectly acceptable and in fact encouraged throughout the community but it needs to be channeled in order to maintain the other important aspect of the language: support for interchange. And that is something that the GPL and similar licenses aren't able to ensure, while the LPPL approaches, and, as we think, resolved that issue adequately.

One of the commenters for the OSI review remarked, "I think this license is trying to create or enforce a policy for maintainership more than it concerns itself with copying & use/patent issues. I'm not convinced that this is a good idea, but TEX has an active community and if this license seems to work out for them, my level of concern isn't so great that I would second-guess that aspect." He is probably right, as in the TFX community the copying & use/patent issues play a minor role compared to resolving how to best maintain the language as a whole. Thus the idea of a maintainer and its rights is quite prominent. We definitely think it helps in that people know they are allowed to take over an orphaned work—it would probably happen less if it weren't stated explicitly as a possibility.

Is the LPPL the best solution to the issues that a community like the TEX community encounters? I guess not, but it is the best that we have been able to come up with after many (perhaps too many) hours and attempts.

3.1 Thanks

A number of people from the TeX community and from the Debian legal community have been instrumental in helping to make LPPL a better license and I would like to thank them all—in particular I would

like to mention Jeff Licquia and Branden Robinson from Debian legal¹⁰ with whom I had many fruitful discussions over ways to improve it and shape in a way that it properly expresses our intentions without conflicting with other people's thoughts on what comprises a free software license.

From the TeX community I'd like to thank all of my colleagues from the LATeX project team, in particular David Carlisle and Chris Rowley who shouldered large proportions of the external discussions during those years. And a heartfelt thanks to Will Robertson who single-handedly got the license OSI-approved when the other team members had run out of steam to even attempt it.

Many other people from the TeX community contributed in one way or the other, be it on latex-1, debian-legal, or in private communication and it is impossible to list them all. As a representative of this huge group I should perhaps mention Boris Veytsman who wrote over one hundred messages on the subject during the debate with Debian.

Last not least I'd like to thank Richard Stallman for initiating the first round of discussions and drawing our intentions to the flaws of the initial license as well as opening at least my eyes to the complexity and difficulties behind free and open source software licensing.

> Frank Mittelbach IATEX Project http://www.latex-project.org

A References

- [1] The GNU GPL 1.0 can be found at: www.gnu.org/licenses/old-licenses/gpl-1.0.txt
- [2] en.wikipedia.org/wiki/Copyleft
- [3] License for TEX at the top of mirror.ctan. org/systems/knuth/dist/tex/tex.web
- [4] Moral obligation clause for the multicol package at the top of mirror.ctan.org/macros/latex/required/tools/multicol.dtx
- [5] The document "Modifying IATEX": mirror. ctan.org/macros/latex/doc/modguide.pdf
- [6] Comments on software licenses by the FSF: www.gnu.org/licenses/license-list.html
- [7] lists.debian.org/debian-legal/
- [8] opensource.org/minutes2009111
- [9] www.opensource.org/licenses/lppl

¹⁰ There are a few more people from Debian legal should perhaps be named but any list would naturally be incomplete. For those interested I suggest reading through the debian-legal archives [7] from that time; you will find this a lengthy but illuminating read in parts.

B The LaTeX Project Public License

LPPL Version 1.3c 2008-05-04

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You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role. If the Work is unmaintained, you can become the Current Maintainer of the Work through the following steps:

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- 2. If this search is successful, then enquire whether the Work is still maintained.
 - (a) If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
 - (b) If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then announce within the pertinent community your intention to take over maintenance. (If the Work is a IATEX work, this could be done, for example, by posting to comp.text.tex.)
- (a) If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.
 - (b) If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.
- 4. If you make an 'intention announcement' as described in 2b above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.
- 5. If the previously unreachable Current Maintainer becomes reachable once more within three months of a change completed under the terms of 3b or 4, then that Current Maintainer must become or remain the Current Maintainer upon request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the Work is distributed under the LPPL license

If you become the Current Maintainer of the Work, you should immediately provide, within the Work, a

prominent and unambiguous statement of your status as Current Maintainer. You should also announce your new status to the same pertinent community as in 2b above.

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```
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%
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% conditions of the LaTeX Project Public License, either version 1.3
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2005/12/01 or later.
%
% This work has the LPPL maintenance status 'maintained'.
%
% The Current Maintainer of this work is M. Y. Name.
%
% This work consists of the files pig.dtx and pig.ins
% and the derived file pig.sty.
```

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If you do not want the Maintenance section of LPPL to apply to your Work, change 'maintained' above into 'author-maintained'. However, we recommend that you use 'maintained' as the Maintenance section was added in order to ensure that your Work remains useful to the community even when you can no longer maintain and support it yourself.

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Several clauses of the LPPL specify means to provide reliability and stability for the user community. They therefore concern themselves with the case that a Derived Work is intended to be used as a (compatible or incompatible) replacement of the original Work. If this is not the case (e.g., if a few lines of code are reused for a completely different task), then clauses 6b and 6d shall not apply.

Important Recommendations

Defining What Constitutes the Work

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