

L_AT_EXoG^{ra}P_{hy} (who says L_AT_EX is for serious work only ?)

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Abstract If you thought that L_AT_EX is only for rocket scientists, and astrophysicists, just banish that idea. L_AT_EX works perfectly fine for down-to-earth, routine, mundane work too ! You can use it for writing : letters (love letters, why not?), poetry, anecdotes, accounts etc. You can use it for writing plain text, or text in crazy shapes and orientations. Here is a sample of what you can do with L_AT_EX , when you are looking for ways to amuse yourself.

Ref. : latexography.tex
Ver. : 20200129a

Keywords : *latexography, rotate, mirror, hanging, decorated text, crazy shapes, fly, sink.*

Preamble

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam nibh. Nunc varius facilisis eros. Sed erat. In in velit quis arcu ornare laoreet. Curabitur adipiscing luctus massa. Integer ut purus ac augue commodo commodo. Nunc nec mi eu justo tempor consectetur. Etiam vitae nisl. In dignissim lacus ut ante. Cras elit lectus, bibendum a, adipiscing vitae, commodo et, dui. Ut tincidunt tortor.

1 Say no to dull paras

1.1 Going dizzy with L^AT_EX paras

This text was created with the "rotating" package, and "shapepar" package, downloaded from CTAN.

This is some cooked up by Partha. This is some cooked up by Partha. And this is some non-crazy meaningful stuff, cooked up by Partha. This is some

crazy meaningless stuff,

crazy meaningless stuff,

cooked up by Partha. This is some

crazy meaningless stuff,

cooked up by Partha. And this is some non-crazy meaningful stuff, cooked up by Partha.

And now,
you can toss
a whole
paragraph
around, like
this.

Or, you can toss a whole paragraph like this.

And
now,
you can
toss
a
whole
para-
graph
around,
like
this.

And now,
you can toss
a whole
paragraph
around, like
this.

Or, you can
toss a whole
paragraph
like this.

And now,
you can toss
a whole
paragraph
around, like
this.

Or, make crazy paragraphs like this.

Mary had a
little lamb,
its fleece was
white as snow.
It followed
her to school

Mary had a one day, it
little lamb, was against
its fleece was the rules. The
white as snow. teacher shot the
It followed lamb at once.
her to school He was a sadist

Centre of line. Mary had a one day, it
little lamb, was against
its fleece was the rules. The
white as snow. teacher shot the
It followed lamb at once.
her to school He was a sadist
one day, it fool.
was against
the rules. The
teacher shot the
lamb at once.
He was a sadist
fool.

If you are still not convinced, see what more $\overset{\text{X}}{\text{L}}\text{ATEX}$ can do for you.

You can write text which *flies like this*, or *sinks like this* ! This part of the text is at the normal level. Just some garbage filler text here. The text which follows is less wide than the main text, centred, and italicised, because we use the quotation environment.

| |

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

We put a quotation after this normal text . And then, we put a quotation inside a quotation.

| |

Here goes the first level quotation. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

And here goes the second level quotation. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

hgfhfhfhfhf ioioioioioioo mmbmmmb hghghghghghg fdfdfdfddf rtrtrtrtrt 5557555

And, we come back to the normal world. Baba blacksheep have you any wool ? All's well that ends well.

Hanging indent : Usually, the first line of a para starts with an indent. The first line of a para is shorter in length than the rest of the para (but in this document, the indent is set to zero length). A hanging indent, indents the rest of the

text while leaving the first line in place, as shown here (made with description environment):

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exercitation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi.

1.2 Decorated text

Now, add some decorations on your text, to make it stand out.

- Squigly underlined text
Squigly underlined text goes here
- Underlined text
This is underlined text
- Strikeout text
~~Strikeout text goes here~~
- Strikeout for math mode
jlt jlt jlt $a = b \neq c$ and the rest of the story

1.3 Reflections and rotations

Here's some more craziness for you:

Partha Partha Partha Partha Partha

Σ ↯ 3
& 8 8

This is is a reflection (vertical mirror) : ɹɹɹɹɹɹ | Partha

And now the reflection is upside down: ɹɹɹɹɹɹ | Partha

This is is a reflection (horizontal mirror) : $\frac{\text{ɹɹɹɹɹɹ}}{\text{Partha}}$

ɹarhV Just two letters are upside-down now.

1.4 And now, for some fun with shapely paras

This part uses the shapspar package. Be sure you have the shapspar.sty file.



This
is diamond
shape. Mary had a
little lamb, its fleece was
white as snow. It followed her
to school one day, it was against
the rules. The teacher shot
the lamb at once. He
was a sadist
fool.



This is square shape.
Mary had a little lamb,
its fleece was white
as snow. It followed
her to school one day,
it was against the
rules. The teacher
shot the lamb at once.
He was a sadist fool.

This is heart shape.
Mary had a little lamb, its
fleece was white as snow. It
followed her to school one
day, it was against the rules.
The teacher shot the lamb
at once. He was
a sadist fool.



This is nutshape.
 Mary had a little
 lamb, its fleece was white
 as snow. It fol-
 lowed her to school
 one day, it was
 against the rules.
 The teacher shot the
 lamb at once. He
 was a sadist fool.

2 A pot-pourri of pictures, tables and text paras

This part uses the picinpar package by Friedhelm Sowa. ¹

Parthasarathy, is an experienced user of L^AT_EX from India. This is an example of the things L^AT_EX can do for you. This para begins with an extra large letter. The rest of the text behaves like normal text, and is placed all around the first letter.

Now, try to stick a picture at a specific place, relative to a paragraph of text. Like this. Now, try to stick a picture at a place, relative to a paragraph of text. Now, try to stick a picture at a place, relative to a paragraph of text. Now, try to stick a picture at a place, relative to a paragraph of text. Now, try to stick a picture at a place, relative to a paragraph of text. Now, try to stick a picture at a place, relative to a paragraph of text.



Figure 1: *The pensive Professor*

You can decide if you want the picture at right, left or centre. Or, a picture, with or without caption.

You can do the same thing with tables too ! You can do the same thing with

1. Some portions of this material have been hacked shamelessly from the picinpar.tex document of Friedhelm Sowa, Heinrich–Heine–Universität Düsseldorf, Universitätsrechenzentrum

tables too ! You can do the same thing with tables too ! You can do the same thing with tables too ! You can do the same thing with tables too ! But you should be careful about the size and length of the table.

1	HSV	12:0
2	MSV	11:1
3	VfB	10:2
4	SVW	9:3
5	King-queen	8:4

Table 1: Table trick#1

You can do more tricks with tables ! You can do the same thing with tables too !

1	HSV	12:0
2	MSV	11:1
3	VfB	10:2
4	SVW	9:3
5	King-queen	8:4

Table 2: Table trick#2

You can do the same thing with tables too !
 But you should be careful about the size and length of the table. Make sure you do not bump into the next paragraph. This is possible if you space out your text carefully. Blah blah blah....Blah blah blah....Blah blah blah

The table which you see here is plunk in the middle of the text paragraph. Mary had a little lamb, which knew nothing about \LaTeX ... blah blah blah blih blih blih Mary had a little lamb, which knew nothing about \LaTeX ... blah blah blah blih blih Mary had a little lamb, which knew nothing about \LaTeX ... blah blah blah blih blih The table is plunk in the middle of the text paragraph. blah The table is plunk in the middle of the text paragraph. blah

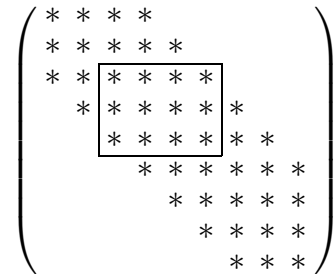
1	HSV	12:0	14:1
2	MSV	11:1	10:4
3	VfB	10:2	12:9
4	SVW	9:3	11:9
5	1. King-queen	8:4	10:10

Table 3: Table trick#3

The table is plunk in the middle of the text paragraph. blah blah blah blih blih blih This table will be visible only if the text around it is bigger than the table. If there is not enough text, you will not see the table at all.

As explained by Parthasarathy in [1] , the mathematically gifted writer will be able to express his ideas in the most beautiful fashion. Here is an example :

$$F(b) - F(a) = \int_a^b \sum_{j=0}^n f(x_j) \prod_{\substack{k=0 \\ k \neq j}}^n \frac{x - x_k}{x_j - x_k} dx$$



3 Je parle français, et vous ?

Using the following code ::

```
{Le caf\' e fran\c cais est tr\'es bon \'a cause de son
go\^ ut. A No\' el, tout le monde boit du caf\' e}
```

it is easy to introduce diacritical marks (accent marks) in your text:

Le café français est très bon à cause de son goût. A Noël, tout le monde boit du café

Or, try ::

```
Erd\H{o}s is not Erd\"{o}s. Der stra{\ss}e.
```

to get ::

Erdős is not Erdös. Der straÙe.

4 Clash of the paras

There are things which you will never do when typesetting text for normal, sane, people.

4.1 Make paras clash vertically

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam nibh. Nunc varius facilisis eros. Sed erat. In in velit quis arcu ornare laoreet. Curabitur adipiscing luctus massa. Integer ut purus ac augue commodo commodo. Nunc nec mi eu justo tempor consectetur. Etiam vitae nisl. In dignissim lacus ut ante. Cras elit lectus, bibendum a, adipiscing vitae, commodo et, dui. Ut tincidunt tortor.
 nibh. Nunc varius facilisis eros. Sed erat. In in velit quis arcu
 ornare laoreet. Curabitur adipiscing luctus massa. Integer ut purus ac augue commodo
 elit lectus, bibendum a, adipiscing vitae, commodo et, dui. Ut
 tincidunt tortor.
 Etiam vitae nisl. In dignissim lacus ut ante. Cras elit lectus, bibendum a,
 adipiscing vitae, commodo et, dui. Ut tincidunt tortor.

4.2 Make paras clash horizontally

Lorem ipsum
dolor sit amet,
consectetur
adipiscing elit. Lorem ipsum dolor
Nam nibh. Nunc sit amet, consectetur
varius facilis adipiscing elit. Nam
eros. Sed erat. In nibh. Nunc varius
in velit quis arcu
ornare laoreet. In in velit quis
Curabitur adipiscing ornare laoreet.
iscing luctus. Curabitur adipiscing
massa. Integer ut luctus massa. Integer
purus ac augue ut purus ac augue
commodo commodo commoda amet, consectetur
modo. Nunc nec mi eu adipiscing elit. Nam
mi eu justo tempor consectetur. Nunc varius
por consectetur. Etiam vitae nisl. facilis eros. Sed
Etiam vitae nisl. dignissim lacus erat. In in velit quis
In dignissim ante. Cras elit lectus, ornare laoreet.
lacus ut ante. bibendum a, adipiscing
Cras elit lectus, vitae, commodo et, luctus
bibendum vitae, Ut tincidunt tortor
adipiscing vitae, commodo commodo.
commodo et, dui. Nunc nec mi eu justo
Ut tincidunt tempor consectetur.
tortor. Etiam vitae nisl. In
dignissim lacus ut
ante. Cras elit lectus,
bibendum a, adipiscing
vitae, commodo et, dui.
Ut tincidunt tortor.

5 Add some color to it all

You can choose a predefined colour by name, or define your own colour and give it a name. You can give colours to text, or you can colour an entire page. Use this option carefully, because many B&W printers will not print lighter colours, and darker colours will all look alike (black).

This color is MyDarkBlue

this is Red

this is Red in a greenbox without any border

this is Red in a greenbox and blue border frame

this is Red in a greenbox and blue border box

This page is black and white.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam nibh. Nunc varius facilisis eros. Sed erat. In in velit quis arcu ornare laoreet. Curabitur adipiscing luctus massa. Integer ut purus ac augue commodo commodo. Nunc nec mi eu justo tempor consectetur. Etiam vitae nisl. In dignissim lacus ut ante. Cras elit lectus, bibendum a, adipiscing vitae, commodo et, dui. Ut tincidunt tortor. Donec nonummy, enim in lacinia pulvinar, velit tellus scelerisque augue, ac posuere libero urna eget neque. Cras ipsum. Vestibulum pretium, lectus nec venenatis volutpat, purus lectus ultrices risus, a condimentum risus mi et quam. Pellentesque auctor fringilla neque. Duis eu massa ut lorem iaculis vestibulum. Maecenas facilisis elit sed justo. Quisque volutpat malesuada velit.

Here are some coloured pages.

Para # 1 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam nibh. Nunc varius facilisis eros. Sed erat. In in velit quis arcu ornare laoreet. Curabitur adipiscing luctus massa. Integer ut purus ac augue commodo commodo. Nunc nec mi eu justo tempor consectetur. Etiam vitae nisl. In dignissim lacus ut ante. Cras elit lectus, bibendum a, adipiscing vitae, commodo et, dui. Ut tincidunt tortor. Donec nonummy, enim in lacinia pulvinar, velit tellus scelerisque augue, ac posuere libero urna eget neque. Cras ipsum. Vestibulum pretium, lectus nec venenatis volutpat, purus lectus ultrices risus, a condimentum risus mi et quam. Pellentesque auctor fringilla neque. Duis eu massa ut lorem iaculis vestibulum. Maecenas facilisis elit sed justo. Quisque volutpat malesuada velit.

Para # 2 Nunc at velit quis lectus nonummy eleifend. Curabitur eros. Aenean ligula dolor, gravida auctor, auctor et, suscipit in, erat. Sed malesuada, enim ut congue pharetra, massa elit convallis pede, ornare scelerisque libero neque ut neque. In at libero. Curabitur molestie. Sed vel neque. Proin et dolor ac ipsum elementum malesuada. Praesent id orci. Donec hendrerit. In hac habitasse platea dictumst. Aenean sit amet arcu a turpis posuere pretium.

Para # 3 Nulla mauris odio, vehicula in, condimentum sit amet, tempus id, metus. Donec at nisi sit amet felis blandit posuere. Aliquam erat volutpat. Cras lobortis orci in quam porttitor cursus. Aenean dignissim. Curabitur facilisis sem at nisi laoreet placerat. Duis sed ipsum ac nibh mattis feugiat. Proin sed purus. Vivamus lectus ipsum, rhoncus sed, scelerisque sit amet, ultrices in, dolor. Aliquam vel magna non nunc ornare bibendum. Sed libero. Maecenas at est. Vivamus ornare, felis et luctus dapibus, lacus leo convallis diam, eget dapibus augue arcu eget arcu.

Para # 4 Fusce auctor, metus eu ultricies vulputate, sapien nibh faucibus ligula, eget sollicitudin augue risus et dolor. Aenean pellentesque, tortor in cursus mattis, ante diam malesuada ligula, ac vestibulum neque turpis ut enim. Cras ornare. Proin ac nisi. Praesent laoreet ante tempor urna. In imperdiet. Nam ut metus et orci fermentum nonummy. Cras vel nunc. Donec feugiat neque eget purus. Quisque rhoncus. Phasellus tempus massa aliquet urna. Integer fringilla quam eget dolor. Curabitur mattis. END DEMO LOREM IPSUM

Another colour page.

Fusce auctor, metus eu ultricies vulputate, sapien nibh faucibus ligula, eget sollicitudin augue risus et dolor. Aenean pellentesque, tortor in cursus mattis, ante diam malesuada ligula, ac vestibulum neque turpis ut enim. Cras ornare. Proin ac nisi. Praesent laoreet ante tempor urna. In imperdiet. Nam ut metus et orci fermentum nonummy. Cras vel nunc. Donec feugiat neque eget purus. Quisque rhoncus. Phasellus tempus massa aliquet urna. Integer fringilla quam eget dolor. Curabitur mattis. Aliquam ac lacus. In congue, odio ut tristique adipiscing, diam leo fermentum ipsum, nec sollicitudin dui quam et tortor. Proin id neque ac pede egestas lacinia. Curabitur non odio.

Back to black and white. It is business as usual.

6 Closing remarks

This is a \LaTeX document, created under Linux, using Kile. You can get the \LaTeX source of this document from the author at : drpartha@gmail.com . Remember to mention the Reference Code, and Version code, given at the top of this document.

Readers are requested to send all remarks, criticisms and suggestions to the author at drpartha@gmail.com.

A whole lot of similar articles and tutorial material is available for download from [2] This article is released under a liberal license [3] and published on the web at [4].

Some of the examples given here may seem too frivolous and of no serious value. The idea behind these examples is just to show how, unconventional printing styles can be built into \LaTeX documents. There are lots of things things like this which \LaTeX can do for you. It usually needs a few hours of patient study and experimentation, to produce such typographically complex material.

Feel free to hack this article itself and explore the possibilities. You can get the \LaTeX source from the author (email: drpartha@gmail.com).

References

- [1] Parthasarathy S, *When grace meets beauty, \LaTeX meets mathematics* Algologic Technical Report, March 2008.

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<https://drpartha.org.in/publications/downloadables.htm#IPR>
- [4] S. Parthasarathy,
Citation details of this article,
Who says L^AT_EX is for serious work only ? ,
<https://drpartha.org.in/publications/latexography.tex>,
Jan. 2021.

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