

# Štorm Fonts in ConT<sub>E</sub>Xt *Vít Zýka*

This document illustrates a usage of selected fonts from **Štorm Type Foundry** by **ConT<sub>E</sub>Xt** typesetting system.

Fonts are copyrighted by František Štorm, see **Štorm Type Foundry**. If you have not possessed any Štorm font yet and you can be persuaded by font quality, try font Lido, that is available for non-commercial usage.

ConT<sub>E</sub>Xt support of Štorm fonts is available at **Typokvítek**. It is based on the plain T<sub>E</sub>X support by Petr Olšák. Any comments and suggestions are welcomed; please write to vit.zyka@seznam.cz.

- Source text can be in both IL2 (st2) or EC (st1) encodings.
- About 350 glyphs are available. All glyph access is without font switch by named glyphs, see very right column at every page.
- Examples of all available font styles (`\bf`, `\it`, `\bi`, `\sc`, ...).
- Many well prepared accented letters. Access by named glyphs (`\Zcaron`) or accent marks (`\v{Z}`).
- Simple mathematics can be typeset from presented glyphs.
- Narrow column typesetting examples with hz-algorithm and character protruding.
- Lido font usage example:

```
\useencoding[st2]      % or st1 for ec
\useencoding[st3]
\enableregime[i12]
```

```
\usetypecriptfile[t-type-slido]
\usetypecript[Lido][st2] % or st1
\setupbodyfont[Lido,10pt,rm]
```

```
\starttext
\input knuth \endgraf
\input komensky-1 \endgraf
$$ a^2+b^2=c^2 $$
\formula[boldmath]{a^2+b^2=c^2}
\stoptext
```

Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá z  
písma a jeho dějiny: písmo se bude vyvíjet v několika liniích. Všechny výbo  
se až dosud zabývaly převážně otázkou, jak řešit krásu tištěného slova  
výtvarníkům, tvůrcům písma předložena i řada jiných otázek: jak vyřešit kr  
tisků i novin. Je totiž zajímavé, že teprve v roce 1932 bylo po prvé záměrně n  
moderních novin. Dnešek potřebuje další řadu specifických písem pro novi  
charakteristické tisky propagační. (*Oldřich Hlavsa*)

`\tf: ABCDEFGHIJKL MNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789`

`\bf: ABCDEFGHIJKL MNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890`

`\it: ABCDEFGHIJKL MNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890`

`\bi: ABCDEFGHIJKL MNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890`

Accent examples: ÅÄŁŚŠŤŽŽẂłśšŧẓẒŕááāāŁććĈĉĖėĚěİİĐđŇňÓóŎŏŮůÚúŮŮŸŸ  
ŇťųųųņĖĀĀĀĒĒĒĒĪĪĪŃŃŌŌŌŮŮŞşăăăēēēīīīññōōōŭŭŭŸŸŸ

Kerning: VLTAVA Tennis Tělo Ligatures: ff fi fl ffi ffl æ œ Æ Œ —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Simple boldmath:  **$1 + 1 = 2$** ,  **$2 \times 3 > 4$** ,  **$a^2 + b^2 = c^2$** ,  **$|x| \leq \pm \frac{1}{2}$** ,  **$1, 10, 100, \dots, \infty$**

`\formula[boldmath]{...}`

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences between good

(H. Zapf) 8 / 10.4 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much

(H. Zapf) 9 / 11.7 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software.

(H. Zapf) 10 / 13.1 / 12cc

Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá závěr, platný již pro starší písmo se bude vyvíjet v několika liniích. Všechny výboje na poli výtvarných dějin písma se řešit krásu tištěného slova knih. V moderní době byla však výtvarníkům, tvůrcům písma přenesena krásu a účín plakátu, propagačních tisků i novin. Je totiž zajímavé, že teprve v roce 1932 bylo písmo přímo pro potřebu moderních novin. Dnešek potřebuje další řadu specifických písem pro propagaci, charakteristické tisky propagační. (Oldřich Hlavsa)

\tf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$\$%\*@(,?!)  
 \bf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$\$%\*@(,?!

Accent examples: ÅÆŁŚŤŽŻǻłłšāštzzzŘÁĀĀĹĈĆĖĚĔİİĐÑŊŌŌŎŮŰŲŪŶYraaaālčćėěēīđñī  
ŊŌŌŬSēaaaēēēīīījīnōōōūš

Kerning: VLTAVA Tennis Tělo    Ligatures: ff fi fl ffi ffl æ œ Æ Œ —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Simple boldmath:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences between good and bad typographic design. Many people are just fascinated  
(H. Zapf) 8 / 10.4 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences  
(*H. Zapf*) 9 / 11.7 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now,

*(H. Zapf)*                      10 / 13.1 / 12cc

Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá závěr, platný jistě i pro další vývoj písma a jeho dějiny: písmo se bude vyvíjet v několika liniích. Všechny výboje na poli výtvarných dějin písma se až dosud zabývaly převážně otázkou, jak řešit krásu tištěného slova knih. V moderní době byla však výtvarníkům, tvůrcům písma předložena i řada jiných otázek: jak vyřešit krásu a účín plakátu, propagačních tisků i novin. Je totiž zajímavé, že teprve v roce 1932 bylo po prvé záměrně navrženo písmo přímo pro potřebu moderních novin. Dnešek potřebuje další řadu specifických písem pro noviny, pro tiskoviny, pro formuláře a charakteristické tisky propagační. *(Oldřich Hlavsa)*

\\tf:ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$%@(,?!)

Accent examples: ÄÄLLSSSTZZZäällssstzzzRÄÄÄÄLCCCEEEIİDNNNOÖÖÖRÜÜÜUYrååååäccceeeiıdñññöööörüüüuy  
dFTTÜÜYSUUUNGJİJİttüüÿşüüünğjijİWEYAAACCCEEEİİİİJNNOÖÖÖÜGGSHHwëyåååccceeeiıjñññöööüüggşhh

## Kerning: VLTAVA Tenis Tělo

Ligatures: ff fi fl ffi ffl æ œ Æ Œ ct st —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \geq \frac{1}{2}$ ,  $1, 10, 100, \dots$ ,

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the difference  
(H. Zapf) 8 / 10.1 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so

(H. Zapf) 9 / 11.4 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC  
(H. Zapf) 10 / 12.6 / 12cc

Písmo se diferenciuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá z  
písma a jeho dějiny: písmo se bude vyvíjet v několika liniích. Všechny výboje  
až dosud zabývaly převážně otázkou, jak řešit krásu tištěného slova knih. V mo  
tvůrcům písma předložena i řada jiných otázek: jak vyřešit krásu a účín plakátu,  
zajímavé, že teprve v roce 1932 bylo po prvé záměrně navrženo písmo přímo pro  
potřebuje další řadu specifických písem pro noviny, pro tiskoviny, pro formuláře  
(Oldřich Hlavsa)

\tf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$  
\bf: **ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$**  
\it: *ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$*  
\bi: ***ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$***  
\sc: ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890  
\bc: **ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890**  
\ic: *ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890*  
\bic: ***ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890***

Accent examples: ÄÄLLSSŠTZZZǎllśąštzzzRAAAALĆČĚĚĚİİDŇNÓÔÖÖRÛUÚYřaa  
UÜŨŊJIJttuüýšuuũŋgjijWĖYĀAAĈĈĚĚĚİİİİŅŃOÒÔŮĞGŚHĤwėyāāāĉĉēēēīīīņņōōōŭŭğgśhĥ

Kerning: VLTAVA Tenis Tělo    Ligatures: ff fi fl ffi ffl æ œ Æ Œ ct st —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Simple boldmath:  $\mathbf{1 + 1 = 2}$ ,  $\mathbf{2 \times 3 > 4}$ ,  $\mathbf{a^2 + b^2 = c^2}$ ,  $\mathbf{|x| \leq \pm \frac{1}{2}}$ ,  $\mathbf{1, 10, 100, \dots, \infty}$

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences between good and bad typographic design.

(H. Zapf)

8 / 10.9 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of

(H. Zopf)

9 / 12.2 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so

(H. Zapf)

10 / 13.6 / 12cc



Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase  
(H. Zapf) 10 / 12.8 / 12cc

Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá závěr, platný jistě i pro další vývoj písma a jeho dějiny: písmo se bude vyvíjet v několika liniích. Všechny výboje na poli výtvarných dějin písma se až dosud zabývaly převážně otázkou, jak řešit krásu tištěného slova knih. V moderní době byla však výtvarníkům, tvůrcům písma předložena i řada jiných otázek: jak vyřešit krásu a účín plakátu, propagačních tisků i novin. Je totiž zajímavé, že teprve v roce 1932 bylo po prvé záměrně navrženo písmo přímo pro potřebu moderních novin. Dnešek potřebuje další řadu specifických písem pro noviny, pro tiskoviny, pro formuláře a charakteristické tisky propagační. (Oldřich Hlavsa)

\tf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$%\*(,.;!)

Accent examples: AĀĻĻŠŠŦŦẂẂāĥāššŧŧẂẂRĀĀĀĻĻĈĈĖĖĖĖĪĪDŊŊŌŌŌŌŔŪŪŪŪYŷrāāāāĭċċċċēēēēīīdñññōō  
ōōŕŭŭŭŭŷŷĤŤŪŪŪŪŶŶŪŪŪŪŊŊĴĴĴĴŭŭŷŷŭŭŷŷŭŭŋŋĵĵĵĵWĖYĀĀĀĈĈĖĖĖĖĪĪĪĪŊŊŌŌŌŌŪĠĠŖŖHĤwēyāāāāċċċċēēēēīīīīŋŋ  
ōōōōŭŭŭŭġġŝŝĥĥ

Kerning: VLTAVA Tenis Tělo Ligatures: ff fi fl ffi ffl æ œ Æ Œ — —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \frac{1}{2}$ ,  $1, 10, 100, \dots$ ,

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as

(H. Zapf) 8 / 11.1 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase

(H. Zapf) 9 / 12.5 / 12cc

Coming back to the use of type-  
faces in electronic publishing:  
many of the new typographers  
receive their knowledge and  
information about the rules of  
typography from books, from  
computer magazines or the in-  
struction manuals which they  
(H. Zapf) 10 / 13.9 / 12cc

Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho  
další vývoj písma a jeho dějiny: písmo se bude vyvíjet v několika  
výtvarných dějin písma se až dosud zabývaly převážně otázkou, jak ře  
V moderní době byla však výtvarníkům, tvůrcům písma předložena  
krásu a účín plakátu, propagačních tisků i novin. Je totiž zajímavé,  
prvé záměrně navrženo písmo přímo pro potřebu moderních novin  
specifických písem pro noviny, pro tiskoviny, pro formuláře a cha  
(Oldřich Hlavsa)

<p> \bf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&amp;\$%#@*{,;!  </p> <p> \bf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz </p> <p> \it: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234 </p> <p> \bi: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz </p>	<p>Coming back to the use</p> <p>ces in electronic publishing</p> <p>the new typographers rec</p>
---	---

Accent examples: ÀĀĹŚŠŤŽŽẂłśśšťżżŔĂĂĀĹĈĈĖĖĖĖĪĪĐŊŊÓÔĈ  
öřűűűűďŦŦŪŪŸŠŪŪŨŊĜĴĴŧŧüűŷűűűűğĵĵŴĖŸĂĂĂĈĈĖĖĖĖĪĪĪĪŊŊÒÔĈ  
ööűűğğśĥĥ

Kerning: VLTAVA Tenis Tělo Ligatures: ff fi fl ffi ffl æ œ Æ Œ —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Simple boldmath:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots$



Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, (H. Zarf) 8 / 10.1 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software.

*(H. Zapf)*                      9 / 11.4 / 12cc

Coming back to the use of typesetfaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with (H. Zapf) 10 / 12.5 / 12cc



Písmo se diferencuje, přizpůsobuje se účelu i okolnostem. Z toho vyplývá vývoj písma a jeho dějiny: písmo se bude vyvíjet v několika liniích. Všechny dějiny písma se až dosud zabývaly převážně otázkou, jak řešit krásu tištěných slov. Dříve byla však výtvarníkům, tvůrcům písma předložena i řada jiných úkolů: plakátu, propagačních tisků i novin. Je totiž zajímavé, že teprve v roce 1925 bylo navrženo písmo přímo pro potřebu moderních novin. Dnešek potřebujeme písmo pro noviny, pro tiskoviny, pro formuláře a charakteristické tisky propagandy.

\\tf:ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890&\$%#@\*{.,?!)

\bf: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz

```
\it:ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234
```

**\bi: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz**

Accent examples: ÅÄŁŚŠŦȚŽŻǻłśąšřțzzzŔĂĂĂĹĆČĖĒĒĬİĐŊŃÓŌÖŐ  
řůúúýď†‡ÜÛŸŞUUNĞİİııřüŷşũüñğijWEYĀĀĀČĈĖĖĖĖİİİİŲŅŎŎŐŐČ  
ùöğğshh

Kerning: VLTAVA Tenis Tělo    Ligatures: ff fi fl ffi ffl æ œ Æ Œ    —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|\mathbf{x}| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots, \infty$

Simple boldmath:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots$

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing (*H. Zapf*) 8 / 10.0 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There  
(H. Zapf) 9 / 11.2 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase (*H. Zapf*)      10 / 12.5 / 12cc

[illegible]



[illegible]

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing

(H. Zapf) 8/9,8/12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There

(H. Zapf) 9 / II.0 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase (H. Zapf) 10 / 12.2 / 12cc

---

---

---

10pt,rm]



Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as

(H. Zapf) 8 / 10.8 / 12cc

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC (H. Zapf) 9 / 12.2 / 12cc

Coming back to the use of type-  
faces in electronic publishing:  
many of the new typographers  
receive their knowledge and in-  
formation about the rules of  
typography from books, from  
computer magazines or the in-  
struction manuals which they  
(H. Zapf) 10 / 13.5 / 12cc

Kerning: VLTAVA Tenis Tělo Ligatures: ff fi fl ffi ffl æ œ Æ Œ - —

Simple math:  $1 + 1 = 2$ ,  $2 \times 3 > 4$ ,  $a^2 + b^2 = c^2$ ,  $|x| \leq \pm \frac{1}{2}$ ,  $1, 10, 100, \dots$ ,

Simple boldmath:  $\mathbf{1 + 1 = 2}$ ,  $\mathbf{2 \times 3 > 4}$ ,  $\mathbf{a^2 + b^2 = c^2}$ ,  $\mathbf{|x| \leq \pm \frac{1}{2}}$ ,  $\mathbf{1, 10, 100, .}$