

Boustrophedon v1.1.0 demos/tests

1. Default (Any) automatic wrapping

Input

```
\boustrophedon {This is a deliberately long English paragraph intended to force automatic wrapping across multiple lines so that we can verify that odd and even lines alternate correctly without requiring explicit line break commands from the user.}
```

Output

This is a deliberately long English
wrapping across multiple lines so that
alternate correctly without requiring
explicit line break commands from the
user.

2. Any explicit breaks

Input

```
\boustrophedon {First line in normal order \\ Second line should appear reversed \\ Third line normal again}
```

Output

First line in normal order
Second line should appear reversed
Third line normal again

2b. Any explicit breaks (no spaces around \\)

Input

```
\boustrophedon {First line in normal order\\Second line should appear reversed\\Third line normal again}
```

Output

First line in normal order
Second line should appear reversed
Third line normal again

3. Archaic wrapping (Latin transliteration)

Input

ANDRA MOI ENNEPE MOUSA POLYTROPON OS MALA POLLA PLANGCHTHE EPEI TROIES IERON PTOLIETHRON
EPERSE.

Output

ΑΝΔΡΑ ΜΟΙ ΕΝΝΕΡΕΜΟΥΣΑ
ΑΙΙΟΓΑΙΑ ΜΖΟΗΟΓΟΑΤΥΙΟΓ
ΡΡΑΝΓΧΘΕΕΡΕΙΤΡΟΙΕΣΙΕΡΟΝ
ΞΖΑΕΓΕΗΟΑΘΞΙΙΟΤΓ

3b. Archaic wrapping (asymmetric Latin)

Input

GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR

Output

ΓΡΓΡΓΡΡΡΡΡΓΡΓΡΓΡΡΡΡ
ΑΓΑΓΑΓΑΓΑΓΑΓΑΓΑΓΑΓΑΓ
ΓΡΓΡΓΡΡΡΡΡΓΡΓΡΓΡΡΡΡ
ΑΓΑΓΑΓΑΓΑΓ

4. Classical wrapping (Greek Unicode)

Input

ΔΗΜΟΣ ΑΘΗΝΑΙΩΝ ΤΙΜΩΝ ΑΝΔΡΑ ΑΓΑΘΟΝ ΚΑΙ ΣΩΦΡΟΝΑ ΩΣ ΠΟΛΛΑ ΚΑΙ ΔΙΚΑΙΑ ΕΠΡΑΞΕΝ ΤΗΡ ΤΗΣ
ΠΟΛΕΩΣ ΚΑΙ ΤΩΝ ΠΟΛΙΤΩΝ.

Output

ΔΗΜΟΣΑΘΗΝΑΙΩΝΤΙΜΩΝ
ΑΝΔΡΑΓΑΘΟΝΣΩΦΡΟΝΑ
ΩΣΠΟΛΛΑΚΑΙΔΙΚΑΙΑ
ΕΠΡΑΞΕΝΤΗΡΤΗΣΠΟΛΕΩΣ
ΚΑΙΤΩΝΠΟΛΙΤΩΝ

4b. Classical wider lines (LineWidth=\linewidth)

Input

```
\boustrophedon [Type=Classical]{DHMOS ATHNAIWN TIMWN ANDRA AGAQON KAI SWFRONA WS POLLA
KAI DIKAIA EPRAKEN UPER THS POLEWS KAI TWN POLITWN. DHMOS ATHNAIWN TIMWN ANDRA AGAQON
KAI SWFRONA.}
\boustrophedon [Type=Classical,LineWidth=\linewidth ]{DHMOS ATHNAIWN TIMWN ANDRA AGAQON
KAI SWFRONA WS POLLA KAI DIKAIA EPRAKEN UPER THS POLEWS KAI TWN POLITWN. DHMOS ATHNAIWN
TIMWN ANDRA AGAQON KAI SWFRONA.}
```

Output

Auto

```
ΔΗΜΟΞΑΘΝΑΙΦΝΤΙΜΦΝΑΝΔΡΑΑΓΑΨΟΝΦΑΙΞΦΦΡΟΝΑΦΞΠΟΛΛΑ
      ΞΟΜΗΔΙΝΤΙΛΟΠΙΝΤΙΑΦΞΞΛΟΠΞΘΞΠΥΝΞΞΑΡΤΞΑΙΑΦΙΔΙΑΦ
ΑΘΝΑΙΦΝΤΙΜΦΝΑΝΔΡΑΑΓΑΨΟΝΦΑΙΞΦΦΡΟΝΑ
```

LineWidth=\linewidth

```
ΔΗΜΟΞΑΘΝΑΙΦΝΤΙΜΦΝΑΝΔΡΑΑΓΑΨΟΝΦΑΙΞΦΦΡΟΝΑΦΞΠΟΛΛΑΦΑΙ
      ΝΤΙΑΝΘΑΞΟΜΗΔΙΝΤΙΛΟΠΙΝΤΙΑΦΞΞΛΟΠΞΘΞΠΥΝΞΞΑΡΤΞΑΙΑΦΙΔ
ΤΙΜΦΝΑΝΔΡΑΑΓΑΨΟΝΦΑΙΞΦΦΡΟΝΑ
```

4c. Classical wrapping (asymmetric Latin)

Input

```
GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR GRGRGRPRPR
```

Output

```
ΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡ
      9797979797979797979797
ΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡΓΡ
      9797979797
```

5. start/stop (Archaic)

Input

```
\startBoustrophedon[Type=Archaic] ... \stopBoustrophedon
```

Output

```
ΑΝΔΡΑΜΟΙΕΝΝΕΡΕΜΟΥΣΑ
      Α1107Α1Α73040704TY107
ΓΓΑΝΓΧΘΕΕΡΕΙΤΦΟΙΕΣΙΕΦΟΝ
      Ξ34373404Θ3110T7
```

6. start/stop (Classical)

Input

```
\startBoustrophedon[Type=Classical] ... \stopBoustrophedon
```

Output

```
ΔΗΜΟΞΑΘΗΝΑΙΩΝΤΙΜΩΝ  
ΑΙΟΦΩΝΞΙΑΚΙΟΘΑΓΑΑΡΔΙΑ  
ΩΞΓΟΛΛΑΚΑΙΔΙΚΑΙΑ  
ΞΩΛΟΓΞΗΤΡΕΥΙΞΕΑΡΕ  
ΚΑΙΤΩΝΓΟΛΙΤΩΝ
```

7. Greek explicit breaks baseline

Input

```
\boustrophedon [Type=Classical]{ΔΗΜΟΣ ΑΘΗΝΑΙΩΝ \\ ΤΙΜΩΝ ΑΝΔΡΑ ΑΓΑΘΟΝ \\ ΚΑΙ ΣΩΦΡΟΝΑ}
```

Output

```
ΔΗΜΟΞΑΘΗΝΑΙΩΝ  
ΙΟΘΑΓΑΑΡΔΙΑΙΩΜΙΤ  
ΚΑΙΞΩΦΡΟΝΑ
```

8. Symbol reversal (Latin input, explicit breaks)

Input

```
\boustrophedon [Type=Classical]{TH PH CH PS KS W KA KO \\ TH PH CH PS KS W KA KO}
```

Output

```
ΘΦΧΨΞΦΑΨΟ  
ΟΨΑΨΞΨΧΦΘ
```

8b. Unicode obscure letters (koppa/digamma)

Input

```
Direct Unicode codepoints: U+03D8 U+03D9 U+03DC U+03DD
```

Output

8c. ObscureLetters Off (contrast)

Input

```
\boustrophedon [Type=Classical,ObscureLetters=Off]{TH PH PS KS KA KO}
```

Output

ΤΗΠΗΠΞΚΞΚΑΚΟ

9. Asymmetric glyphs (Latin input, explicit breaks)

Input

```
\boustrophedon [Type=Classical]{GRGRGRPRPR \ \ GRGRGRPRPR}
```

Output

ΓΡΓΡΓΡΓΡΓΡΓΡ

᠑᠒᠑᠒᠑᠒᠑᠒᠑᠒

10. Asymmetric glyphs (Archaic, Latin input, explicit breaks)

Input

```
\boustrophedon [Type=Archaic]{GRGRGRPRPR \ \ GRGRGRPRPR}
```

Output

Γ𑀓Γ𑀓Γ𑀓Γ𑀓Γ𑀓

᠑᠒᠑᠒᠑᠒᠑᠒᠑᠒

11. resetDirection demo (Page vs Paragraph)

Input

```
\boustrophedon [Type=Any,resetDirection=Page]{AAA \ \ BBB \ \ CCC}
\boustrophedon [Type=Any,resetDirection=Page]{DDD \ \ EEE \ \ FFF}
```

Output

resetDirection=Page (continues)

```
AAA
                                     BBB
CCC
                                     DDD
EEE
                                     FFF
```

Input

```
\boustrophedon [Type=Any,resetDirection=Paragraph]{AAA \\ BBB \\ CCC}
\boustrophedon [Type=Any,resetDirection=Paragraph]{DDD \\ EEE \\ FFF}
```

Output

resetDirection=Paragraph (resets)

```
AAA
                                     BBB
CCC
DDD
                                     EEE
FFF
```

12. inLine=True inside normal text

Input

```
Normal text with [THIS PART MIRRORED] only, then [KAI TOYTO] too.
\boustrophedon [inLine=True]{Normal text with [THIS PART MIRRORED] only, then [KAI
TOYTO] too.}
\boustrophedon [Type=Classical,inLine=True]{A normal sentence with [DHMOS ATHNAIWN]
embedded.}
```

Output

Normal text with [THIS PART MIRRORED] only, then [KAI TOYTO] too.

Normal text with ДЯЯЯЯИМ ТЯЯЯ ЗИИТ only, then ОТЯОТ ІАК too.

A normal sentence with ИΓΙΑΝΘΑΞΟΜΗΔ embedded.
