

Test Column Span Features

Test de Column Span y TOC

Este documento prueba las nuevas funcionalidades:

1. **Paper y presentation sin TOC**
2. **Parámetro column_span** en add_image, add_plot, add_table, add_colored_table
3. **Ajuste automático de ancho** basado en columnas del documento

```
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np
from ePy_docs import DocumentWriter

# Crear datos de prueba
np.random.seed(42)
data = {
    'Material': ['Steel', 'Aluminum', 'Concrete', 'Wood', 'Plastic'],
    'Stress_MPa': [250, 180, 30, 25, 15],
    'Strain': [0.002, 0.003, 0.001, 0.004, 0.008],
    'Young_Modulus_GPa': [200, 70, 25, 12, 3]
}
df = pd.DataFrame(data)

# Test con paper (sin TOC)
writer_paper = DocumentWriter("paper", layout_style="academic")

writer_paper.add_h1("Test Paper Document - Sin TOC")
writer_paper.add_text("Este documento tipo paper NO debe mostrar tabla de contenidos.")

# Test con presentation (sin TOC)
writer_presentation = DocumentWriter("presentation", layout_style="minimal")
```

```

writer_presentation.add_h1("Test Presentation - Sin TOC")
writer_presentation.add_text("Este documento tipo presentation NO debe mostrar tabla de cont

# Test con report (con TOC - comportamiento normal)
writer_report = DocumentWriter("report", layout_style="classic")
writer_report.add_h1("Test Report - Con TOC")
writer_report.add_text("Este documento tipo report SÍ debe mostrar tabla de contenidos.")

print(" Documentos creados sin errores")

```

Documentos creados sin errores

```

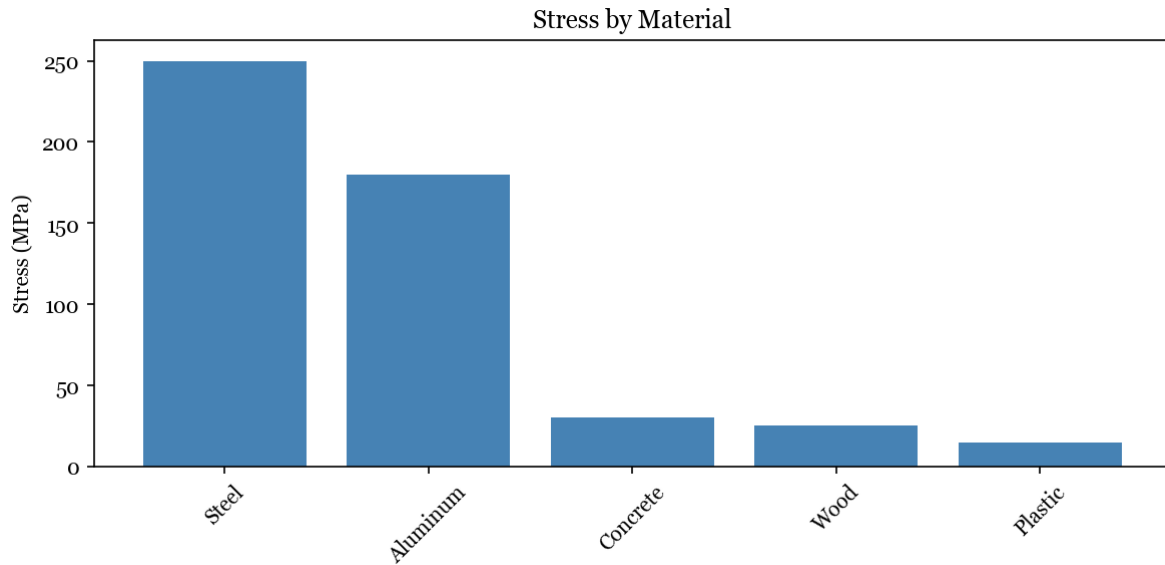
# Test column_span en add_image
fig, ax = plt.subplots(figsize=(8, 4))
ax.bar(df['Material'], df['Stress_MPa'], color='steelblue')
ax.set_title('Stress by Material')
ax.set_ylabel('Stress (MPa)')
plt.xticks(rotation=45)
plt.tight_layout()

# Guardar figura temporal para test de add_image
plt.savefig('temp_figure.png', dpi=150, bbox_inches='tight')
plt.close()

# Test add_image con column_span
writer_report.add_h2("Test add_image con column_span")
writer_report.add_image("temp_figure.png",
                        caption="Imagen con column_span=1.0 (una columna)",
                        column_span=1.0)

print(" add_image con column_span funcionando")

```



add_image con column_span funcionando

```
# Test add_plot con column_span
fig, ax = plt.subplots(figsize=(6, 4))
materials = df['Material']
stress = df['Stress_MPa']
strain = df['Strain']

ax.scatter(strain, stress, s=100, alpha=0.7, c='red')
ax.set_xlabel('Strain')
ax.set_ylabel('Stress (MPa)')
ax.set_title('Stress vs Strain')

# Test add_plot con column_span - debe ajustar automáticamente el tamaño
writer_report.add_h2("Test add_plot con column_span")
writer_report.add_plot(fig,
                        title="Plot con column_span=2.0 (dos columnas)",
                        caption="El gráfico se debe ajustar automáticamente al ancho",
                        column_span=2.0)

print(" add_plot con column_span funcionando")
```

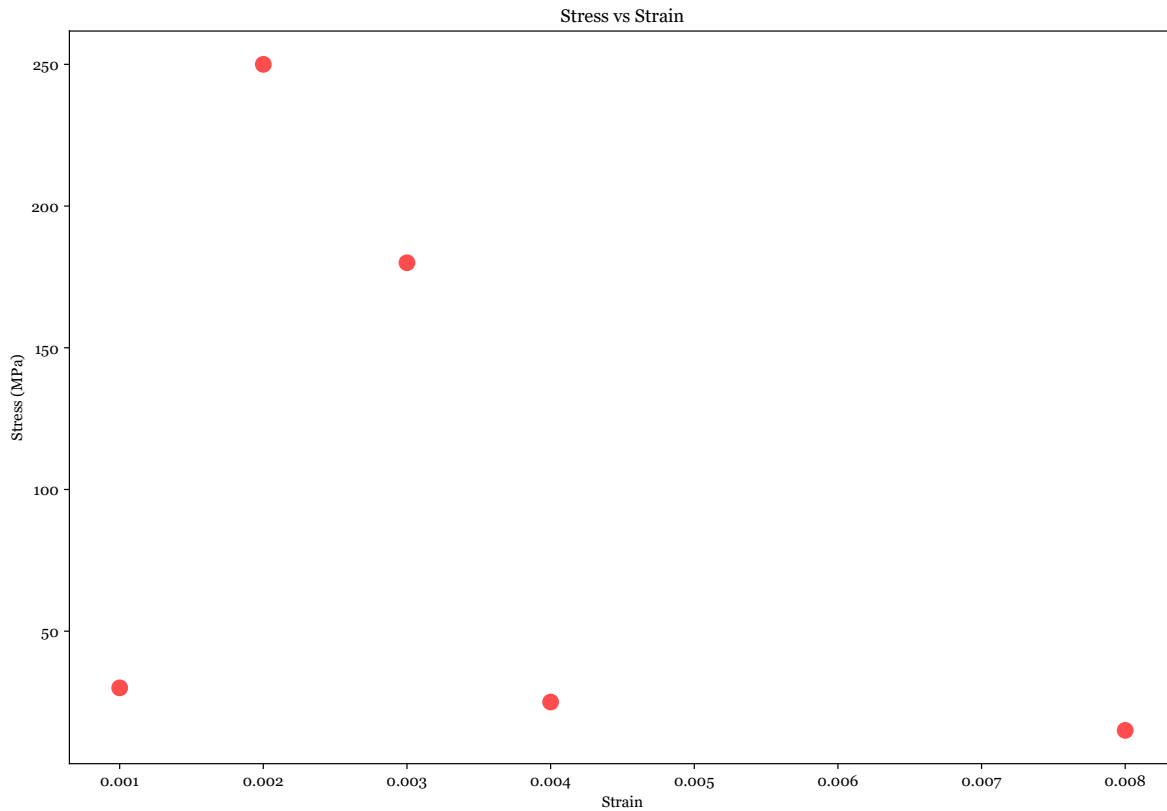
INFO:fontTools.subset:maxp pruned
INFO:fontTools.subset:LTSH dropped

```

INFO:fontTools.subset:cmap pruned
INFO:fontTools.subset:post pruned
INFO:fontTools.subset:meta dropped
INFO:fontTools.subset:DSIG dropped
INFO:fontTools.subset:GPOS pruned
INFO:fontTools.subset:GSUB pruned
INFO:fontTools.subset:glyf pruned
INFO:fontTools.subset:Added gid0 to subset
INFO:fontTools.subset:Added first four glyphs to subset
INFO:fontTools.subset:Closing glyph list over 'GSUB': 27 glyphs before
INFO:fontTools.subset:Glyph names: ['.notdef', 'M', 'P', 'S', 'a', 'e', 'eight', 'five', 'fo
INFO:fontTools.subset:Glyph IDs:  [0, 1, 2, 3, 11, 12, 17, 19, 20, 21, 22, 23, 24, 25, 26, 2
INFO:fontTools.subset:Closed glyph list over 'GSUB': 45 glyphs after
INFO:fontTools.subset:Glyph names: ['.notdef', 'M', 'P', 'S', 'a', 'e', 'eight', 'five', 'fo
INFO:fontTools.subset:Glyph IDs:  [0, 1, 2, 3, 11, 12, 17, 19, 20, 21, 22, 23, 24, 25, 26, 2
INFO:fontTools.subset:Closing glyph list over 'glyf': 45 glyphs before
INFO:fontTools.subset:Glyph names: ['.notdef', 'M', 'P', 'S', 'a', 'e', 'eight', 'five', 'fo
INFO:fontTools.subset:Glyph IDs:  [0, 1, 2, 3, 11, 12, 17, 19, 20, 21, 22, 23, 24, 25, 26, 2
INFO:fontTools.subset:Closed glyph list over 'glyf': 45 glyphs after
INFO:fontTools.subset:Glyph names: ['.notdef', 'M', 'P', 'S', 'a', 'e', 'eight', 'five', 'fo
INFO:fontTools.subset:Glyph IDs:  [0, 1, 2, 3, 11, 12, 17, 19, 20, 21, 22, 23, 24, 25, 26, 2
INFO:fontTools.subset:Retaining 45 glyphs
INFO:fontTools.subset:head subsetting not needed
INFO:fontTools.subset:hhea subsetting not needed
INFO:fontTools.subset:maxp subsetting not needed
INFO:fontTools.subset:OS/2 subsetting not needed
INFO:fontTools.subset:hmtx subsetted
INFO:fontTools.subset:VDMX subsetting not needed
INFO:fontTools.subset:hdmx subsetted
INFO:fontTools.subset:cmap subsetted
INFO:fontTools.subset:fpgm subsetting not needed
INFO:fontTools.subset:prep subsetting not needed
INFO:fontTools.subset:cvt subsetting not needed
INFO:fontTools.subset:loca subsetting not needed
INFO:fontTools.subset:post subsetted
INFO:fontTools.subset:gasp subsetting not needed
INFO:fontTools.subset:GDEF subsetted
INFO:fontTools.subset:GPOS subsetted
INFO:fontTools.subset:GSUB subsetted
INFO:fontTools.subset:name subsetting not needed
INFO:fontTools.subset:glyf subsetted
INFO:fontTools.subset:head pruned
INFO:fontTools.subset:OS/2 Unicode ranges pruned: [0]

```

```
INFO:fontTools.subset:OS/2 CodePage ranges pruned: [0]
INFO:fontTools.subset:glyf pruned
INFO:fontTools.subset:GDEF pruned
INFO:fontTools.subset:GPOS pruned
INFO:fontTools.subset:GSUB pruned
INFO:fontTools.subset:name pruned
```



add_plot con column_span funcionando

```
# Test add_table con column_span
writer_report.add_h2("Test add_table con column_span")
writer_report.add_table(df,
                        title="Tabla con column_span=1.5 (1.5 columnas)",
                        column_span=1.5)

print(" add_table con column_span funcionando")
```

add_table con column_span funcionando

```
# Test add_colored_table con column_span
writer_report.add_h2("Test add_colored_table con column_span")
writer_report.add_colored_table(df,
                                title="Tabla coloreada con column_span=2.0 (dos columnas)",
                                highlight_columns=['Stress_MPa', 'Young_Modulus_GPa'],
                                palette_name='blues',
                                column_span=2.0)

print(" add_colored_table con column_span funcionando")
```

add_colored_table con column_span funcionando

```
# Generar documentos
print("Generando documentos...")

try:
    writer_paper.generate("test_paper_no_toc")
    print(" Paper sin TOC generado")
except Exception as e:
    print(f" Error paper: {e}")

try:
    writer_presentation.generate("test_presentation_no_toc")
    print(" Presentation sin TOC generado")
except Exception as e:
    print(f" Error presentation: {e}")

try:
    writer_report.generate("test_report_column_span")
    print(" Report con column_span generado")
except Exception as e:
    print(f" Error report: {e}")

print(" Tests completados!")
```

Generando documentos...

Warning: Failed to render pdf: Quarto rendering failed:

pandoc

to: latex

output-file: Document.tex

standalone: true

```
pdf-engine: xelatex
variables:
  graphics: true
  tables: true
default-image-extension: pdf
toc: false
toc-depth: 4
number-sections: true
```

```
metadata
  block-headings: true
  title: Document
  author: Anonymous
  lang: en
  fig-cap-location: bottom
  tbl-cap-location: top
  colorlinks: true
  crossref:
    chapters: true
    fig-labels: arabic
    tbl-labels: arabic
    eq-labels: arabic
  geometry:
    - top=1.2in
    - bottom=1.2in
    - left=1.2in
    - right=1.2in
  documentclass: article
  fontsize: 10pt
```

Rendering PDF

running xelatex - 1

```
This is XeTeX, Version 3.141592653-2.6-0.999997 (TeX Live 2025) (preloaded format=xelatex)
  restricted \write18 enabled.
entering extended mode
```

updating tlmgr

updating existing packages

ERROR:

compilation failed- error

Package fontspec Error:

```

(fontspec)          The font "Times New Roman" cannot be found; this
(fontspec)          may be but usually is not a fontspec bug. Either
(fontspec)          there is a typo in the font name/file, the font is
(fontspec)          not installed (correctly), or there is a bug in
(fontspec)          the underlying font loading engine
(fontspec)          (XeTeX/luatex).

```

For immediate help type H <return>.

...

1.105]

A font might not be found for many reasons.

Check the spelling, where the font is installed etc. etc.

When in doubt, ask someone for help!

see Document.log for more information.

Paper sin TOC generado

Warning: Failed to render pdf: Quarto rendering failed:

pandoc

```

  to: latex
  output-file: Document.tex
  standalone: true
  pdf-engine: xelatex
  variables:
    graphics: true
    tables: true
  default-image-extension: pdf
  toc: false
  toc-depth: 2
  number-sections: false

```

metadata

```

  block-headings: true
  title: Document
  author: Anonymous
  lang: en

```



```

fig-cap-location: bottom
tbl-cap-location: top
colorlinks: false
crossref:
  chapters: false
  fig-labels: arabic
  tbl-labels: arabic
  eq-labels: arabic
geometry:
  - top=1.2in
  - bottom=1.2in
  - left=1.2in
  - right=1.2in
documentclass: beamer
fontsize: 12pt

```

Rendering PDF

running xelatex - 1

```

This is XeTeX, Version 3.141592653-2.6-0.999997 (TeX Live 2025) (preloaded format=xelatex)
restricted \write18 enabled.
entering extended mode

```

updating tlmgr

updating existing packages

ERROR:

compilation failed- error

LaTeX Error: Option clash for package geometry.

See the LaTeX manual or LaTeX Companion for explanation.

Type H <return> for immediate help.

...

1.42 \setlength

```

{\emergencystretch}{3em} % prevent overfull lines

```

The package geometry has already been loaded with options:

```

[papersize={\beamer@paperwidth ,\beamer@paperheight },hmargin=1cm,vmargin=0cm,head=0.5cm,head=0.5cm]

```

There has now been an attempt to load it with options

```

[top=1.2in,bottom=1.2in,left=1.2in,right=1.2in]

```

Adding the global options:

```

papersize={\beamer@paperwidth ,\beamer@paperheight },hmargin=1cm,vmargin=0cm,head=0.5cm,head=0.5cm]

```

to your \documentclass declaration may fix this.

Try typing <return> to proceed.

see Document.log for more information.

Presentation sin TOC generado

Warning: Failed to render pdf: Quarto rendering failed:
pandoc

```
to: latex
output-file: Document.tex
standalone: true
pdf-engine: xelatex
variables:
  graphics: true
  tables: true
default-image-extension: pdf
toc: true
toc-depth: 3
number-sections: true
```

metadata

```
block-headings: true
title: Document
author: Anonymous
lang: en
fig-cap-location: bottom
tbl-cap-location: top
colorlinks: true
crossref:
  chapters: false
  fig-labels: arabic
  tbl-labels: arabic
  eq-labels: arabic
geometry:
  - top=1.2in
  - bottom=1.2in
  - left=1.2in
  - right=1.2in
documentclass: report
fontsize: 11pt
```

Rendering PDF

running xelatex - 1

This is XeTeX, Version 3.141592653-2.6-0.999997 (TeX Live 2025) (preloaded format=xelatex)

restricted \write18 enabled.

entering extended mode

updating tlmgr

updating existing packages

ERROR:

compilation failed- error

Package fontspec Error:

(fontspec)	The font "Georgia" cannot be found; this may be
(fontspec)	but usually is not a fontspec bug. Either there is
(fontspec)	a typo in the font name/file, the font is not
(fontspec)	installed (correctly), or there is a bug in the
(fontspec)	underlying font loading engine (XeTeX/luatfload).

For immediate help type H <return>.

...

l.105]

A font might not be found for many reasons.

Check the spelling, where the font is installed etc. etc.

When in doubt, ask someone for help!

see Document.log for more information.

Report con column_span generado

Tests completados!