XeLaTeX Multilingual Test Document

LaTeX Compiler Workflow

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1 Introduction

This document tests XeLaTeX compilation with multiple languages and Unicode support. The workflow should automatically detect the need for XeLaTeX based on the `fontspec` package and the `% !TeX program = xelatex` directive.

2 European Languages

2.1 English

Hello World! This is a test of the XeLaTeX compiler with modern Unicode fonts.

2.2 French

Bonjour le monde! Voici un test avec des caractères accentués: é, è, ê, à, ù, ç.

2.3 German

Guten Tag! Test mit deutschen Umlauten: ä, ö, ü, ß.

2.4 Spanish

¡Hola mundo! Prueba con caracteres especiales: ñ, á, é, í, ó, ú, ¿, ¡.

2.5 Russian

Привет мир! Это тест кириллицы.

2.6 Greek

Γεια σου κόσμε! Δοκιμή ελληνικών χαρακτήρων: α, β, γ, δ, ε, θ, λ, μ, π, σ, ω.

3 Middle Eastern Languages

3.1 Arabic

0 !   .

4 Asian Languages

4.1 Chinese

4.2 Japanese

4.3 Korean

5 Special Characters and Symbols

Mathematical symbols work naturally: x   ,   y
Currency symbols: €, £, ¥,   ,
Arrows and symbols: →, ←, ↔,   , ≠, ≤, ≥, ±, ×, ÷
Emoji and special Unicode: ☺   ♠ ♣ ♥ ♦

6 Typography Features

6.1 Ligatures

XeLaTeX handles ligatures automatically: fi, fl, ff, ffi, ffl

6.2 Quotation Marks

"English quotes" and 'single quotes' work correctly.
French style: « guillemets français »
German style: „deutsche Anführungszeichen"

6.3 Dashes

Hyphen: -
En-dash: –
Em-dash: —

7 Font Features

Bold text in multiple scripts:

- **English bold**

- **Français gras**

- **Deutsch fett**

Italic text:

- *English italic*
- *Français italique*
- *Deutsch kursiv*

8 Color Test

XeLaTeX with color support:
Red text and blue text and green text.

9 Conclusion

If this document compiles successfully, it proves that:

1. XeLaTeX compiler detection works
2. Unicode font support is functioning
3. Multilingual text rendering is operational
4. The workflow correctly handles complex typography

This test document should compile to a PDF showing all languages correctly rendered with appropriate fonts.