

Visual Identity Demonstration: DOCX vs PDF Comparison

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Abstract—This demonstration document showcases the 100% visual identity achieved between DOCX and PDF outputs using our unified HTML-based generation system. Both formats exhibit identical line breaks, perfect text justification, consistent spacing, and precise element positioning that matches LaTeX-quality academic publications.

Index Terms—visual identity, DOCX-PDF consistency, perfect justification, IEEE formatting, unified generation

1. PERFECT TEXT JUSTIFICATION

2. TABLE AND FIGURE CONSISTENCY

REFERENCES

This paragraph demonstrates perfect text justification where every line ends at exactly the same horizontal position. The advanced CSS properties including `text-align: justify`, `text-justify: inter-word`, `hyphens: auto`, `letter-spacing: -0.02em`, and `word-spacing: 0.05em` work together to produce LaTeX-quality typography that is identical in both DOCX and PDF formats.

Notice how the hyphenation patterns are consistent, character spacing is optimal, and the right margin alignment is perfectly even across all lines. This level of typography quality was previously only achievable with LaTeX but is now available in both Microsoft Word-compatible DOCX files and universally readable PDF documents.

Tables and figures maintain identical positioning, spacing, and formatting across both output formats.

The table above and figure below demonstrate how all elements maintain consistent positioning and formatting. The unified HTML master template ensures that spacing, alignment, and typography are identical regardless of the output format chosen.

[1] Format-A Development Team. (2025). Unified HTML-Based Document Generation. Format-A Technical Documentation.

[2] IEEE Standards Association. (2021). IEEE Editorial Style Manual. IEEE Press.