

the interaction between  
ligatures hyphenation  
and kerning

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# Ligature

effe

effe

e|ff|e

# Discretionary

\discretionary{pre}{post}{replace}

explicit: \-

automatic: -

regular: patterns

first: internal

second: internal

# Hyphenated ligature

ef-**fe**

e [f-] [f] [ff] e

e [|f| -] [|f|] [|ff|] e

# Substitution

effe

effe

e|f|f|e

# Hyphenation substitution

ef-**fe**

e [f-] [f] [ff] e

e [|f| -] [|f|] [|f| f] e

## Hyphenation substitution (2)

ef-**f**e

e [f-] [-f] [ff] e

e [|f|-] [-|f|] [|f|f] e

## Hyphenation substitution (3)

ef-**fe**

e [f-] [-f] [ff] e

e [|f|-] [-|f|] [|f|f] e

## Hyphenation substitution (4)

ef-fi-cient

e [f-] [fi] [ffi-] c

e [f| -] [fi|] [ffi| -] c

# Languages

fijn

fijn

fijn

# Relevance of typesetting

glyphs (shapes) are a way to communicate

writing and reading are complementary

both were instrumental to progress

and both are under pressure

we need to distinguish between art and usability

typography is a tool, not an aim

# Relevance of ligatures

save space (less medium needed)

kind of arbitrary applied / provided

less relevant apart from look

alien for most readers

not always better readable

better spend energy elsewhere

SHOULD WE REALLY CARE ABOUT  
SUCH FEATURES IN A TIME WHEN  
KIDS NO LONGER NEED TO WRITE  
AND DON'T SEEM TO CARE AT ALL  
ABOUT HOW THINGS LOOK.