

Hyphenation Exception Log

Below is a list of words that \TeX fails to hyphenate properly. It last appeared in Volume 6, No. 3, on page 121. Everything listed there is repeated here.

The first column gives results from \TeX 's `\showhyphens{...}`; entries in the second column are suitable for inclusion in a `\hyphenation{...}` list.

In most instances, inflected forms are not shown for nouns and verbs; however, all forms should be specified in a `\hyphenation{...}` list if they might occur in your document.

academy	acad-e-my	Hamil-to-nian	Hamil-ton-ian
al-ge-brais-che	al-ge-brai-sche	Her-mi-tian	Her-mit-ian
anal-yse	an-a-lyse	hex-ade-c-i-mal	hexa-dec-i-mal
anomaly	anom-aly	holon-omy	ho-lo-no-my
anti-nomy(ies)	an-tin-o-my(ies)	ho-mo-th-etic	ho-mo-thetic
ap-pendix	ap-pen-dix	id-iosyn-crazy	idio-syn-crazy
asymp-totic	as-ymp-tot-ic	in-fras-truc-ture	in-fra-struc-ture
at-mo-sphere	at-mo-sphere	Japanese	Japan-ese
ban-dleader	band-leader	jeremi-ads	je-re-mi-ads
Be-di-enung	Be-die-nung	Kadomt-sev	Kad-om-tsev
be-haviour	be-hav-iour	Ko-rteweg	Kor-te-weg
bib-li-ographis-che	bib-li-o-gra-phi-sche	Leg-en-dre	Le-gendre
bid-if-fer-en-tial	bi-dif-fer-en-tial	Le-ices-ter	Leices-ter
bornolog-i-cal	bor-no-log-i-cal	Lip-s-chitz(ian)	Lip-schitz(-ian)
Brow-n-ian	Brown-ian	macroe-co-nomics	macro-eco-nomics
buz-zword	buzz-word	manuscript	man-u-script
cartwheel	cart-wheel	marginal	mar-gin-al
cholesteric	cho-les-teric	Marko-vian	Mar-kov-ian
database	data-base	Mas-sachusetts	Mass-a-chu-setts
dat-a-p-ath	data-path	met-a-lan-guage	meta-lan-guage
de-mos	demos	mi-croe-co-nomics	micro-eco-nomics
dis-tribute	dis-trib-ute	mi-cro-fiche	mi-cro-fiche
Di-jk-stra	Dijk-stra	mis-ogamy	mi-sog-a-my
dy-namis-che	dy-na-mi-sche	mod-elling	mod-el-ling
elec-trome-chan-i-cal	electro-mechan-i-cal	mo-noen-er-getic	mono-en-er-getic
elec-tromechanoa-cous-tic	electro-mechano-acoustic	monopole	mono-pole
En-glish	Eng-lish	monos-pline	mono-spline
equiv-ari-ant	equi-vari-ant	monos-trofic	mono-strofic
Eu-le-rian	Euler-ian	mul-ti-pli-ca-ble	mul-ti-plic-able
ex-tra-or-di-nary	ex-tra-or-di-nary	ne-ofields	neo-fields
fermions	fermi-ons	Noethe-rian	Noe-ther-ian
flowchart	flow-chart	none-mer-gency	non-emer-gency
funk-t-sional	funk-tsional	nonequiv-ari-ance	non-equi-vari-ance
Gaus-sian	Gauss-ian	noneu-clidean	non-euclid-ean
ge-o-met-ric	geo-met-ric	non-i-so-mor-phic	non-iso-mor-phic
gnomon	gno-mon	nonpseu-do-com-compact	non-pseudo-com-compact
Greif-swald	Greifs-wald	non-s-mooth	non-smooth
Grothendieck	Grothen-dieck	No-ord-wi-jk-er-hout	Noord-wijker-hout
Grundlehren	Grund-leh-ren	parabolic	par-a-bol-ic
		parametrized	pa-ram-e-trized
		paramil-i-tary	para-mil-i-tary
		phe-nomenon	phe-nom-e-non
		Poincare	Poin-care
		polyene	poly-ene
		poly-go-niza-tion	polyg-on-i-za-tion
		poroe-las-tic	poro-elas-tic
		postam-ble	post-am-ble
		Po-ten-tial-gle-ichung	Po-ten-tial-glei-chung
		pream-ble	pre-am-ble
		pseu-dod-if-fer-en-tial	pseu-do-dif-fer-en-tial
			pseu-do-dif-fer-en-tial
		pseu-ofi-nite	pseu-do-fi-nite
		pseu-ofinitely	pseu-do-fi-nite-ly
		pseu-o-forces	pseu-do-forces

pseu-doword	pseu-do-word
quadrat-ics	qua-drat-ics
quasiequiv-a-lence	qua-si-equiv-a-lence
quasi-hy-ponor-mal	qua-si-hy-po-nor-mal
quasir-ad-i-cal	qua-si-rad-i-cal
quasiresid-ual	qua-si-resid-ual
qua-sis-mooth	qua-si-smooth
qua-sis-ta-tion-ary	qua-si-sta-tion-ary
qu-a-si-tri-an-gu-lar	qua-si-tri-an-gu-lar
re-ar-range-ment	re-arrange-ment
Rie-man-nian	Rie-mann-ian
schedul-ing	sched-ul-ing
Schrodinger	Schro-ding-er
Schwarzschild	Schwarz-schild
semidef-i-nite	semi-def-in-ite
semi-ho-mo-th-etic	semi-ho-mo-thet-ic
ser-vomech-a-nism	ser-vo-mech-anism
setup	set-up
solenoid	so-le-noid
spheroid	spher-oid
stochas-tic	sto-chas-tic
Stokess-che	Stokes-sche
sub-scriber	sub-scrib-er
summable	sum-ma-ble
tech-nis-che	tech-ni-sche
ther-moe-las-tic	ther-mo-el-as-tic
times-tamp	time-stamp
ve-r-all-ge-mein-erte	ver-all-ge-mein-erte
Verteilun-gen	Ver-tei-lun-gen
vs-pace	vspace
Wahrschein-lichkeit-s-the-o-rie	Wahr-schein-lich-keits-the-o-rie
waveg-uide	wave-guide
whitesided	white-sided
whites-pace	white-space
Ying-ong Shuxue Jisuan	Ying-yong Shu-xue Ji-suan

Fonts

Notes on Typeface Protection

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Preamble

The main question of typeface protection is: "Is there anything there worth protecting?" To that the answer must certainly be: "Yes." Typeface designs are a form of artistic and intellectual property." To understand this better, it is helpful to look at who designs type, and what the task requires.

Who makes type designs?

Like other artistic forms, type is created by skilled artisans. They may be called type designers, lettering artists, punch-cutters, calligraphers, or related terms, depending on the milieu in which the designer works and the technology used for making the designs or for producing the type.

("Type designer" and "lettering artist" are self-explanatory terms. "Punch-cutter" refers to the traditional craft of cutting the master image of a typographic letter at the actual size on a blank of steel that is then used to make the matrix from which metal type is cast. Punch-cutting is an obsolete though not quite extinct craft. Seeking a link to the tradition, modern makers of digital type sometimes use the anachronistic term "digital punch-cutter". "Calligrapher" means literally "one who makes beautiful marks". The particular marks are usually hand-written letters, though calligraphers may design type, and type designers may do calligraphy.)

It usually takes about seven years of study and practice to become a competent type designer. This seems to be true whether one has a Ph.D. in computer science, a high-school diploma, or no academic degree. The skill is acquired through study of the visual forms and practice in making them. As with geometry, there is no royal road.

The designing of a typeface can require several months to several years. A family of typefaces of four different styles, say roman, italic, bold roman, and bold italic, is a major investment of time and effort. Most type designers work as individuals. A few work in partnership (Times Roman^(R), Helvetica^(R), and Lucida^(R) were all, in different ways, the result of design collaboration). In Japan, the large character sets required for a