

Počítačová lexikografie  
 Dictionary Writing Systems  
 Adam Rambousek

**Dictionary Writing System**

- specializované tvorby slovníků
- programy s GUI (na aplikacích (korpora, analyzátor...))
- (flexibilní) production systems, lexikografické workbench...
- základní nástroj pro XML database

**IDM DPS**

- IDM (France)
- client server
- DANTE: lexical database, Oxford University Press



**ILEX**

- Brillman Media Publishing (Holland)
- client server / desktop, multiplatform
- Van Dale (Holland)



**TLex**

- TilmanStille (DIP)
- client server / desktop
- Oxford University Press, Langman Publishing



**ABBYY Lingo Content**

- ABBYY (Russia)
- client server



**DEB**

- Dictionary Editor & browser
- platforma pro vývoj slovníkových aplikací
- client server, XML database
- základní nástroj pro správu dat, užívání XML



**DEE/DEE/DEE**

- desktop
- webová aplikace, obnovení editor
- nástroj pro tvorbu slovníků - editace
- přístupová práva, uživatelské
- <https://deh.fh-wien.ac.at/dee/index/>





Počítačová lexikografie  
Dictionary Writing Systems

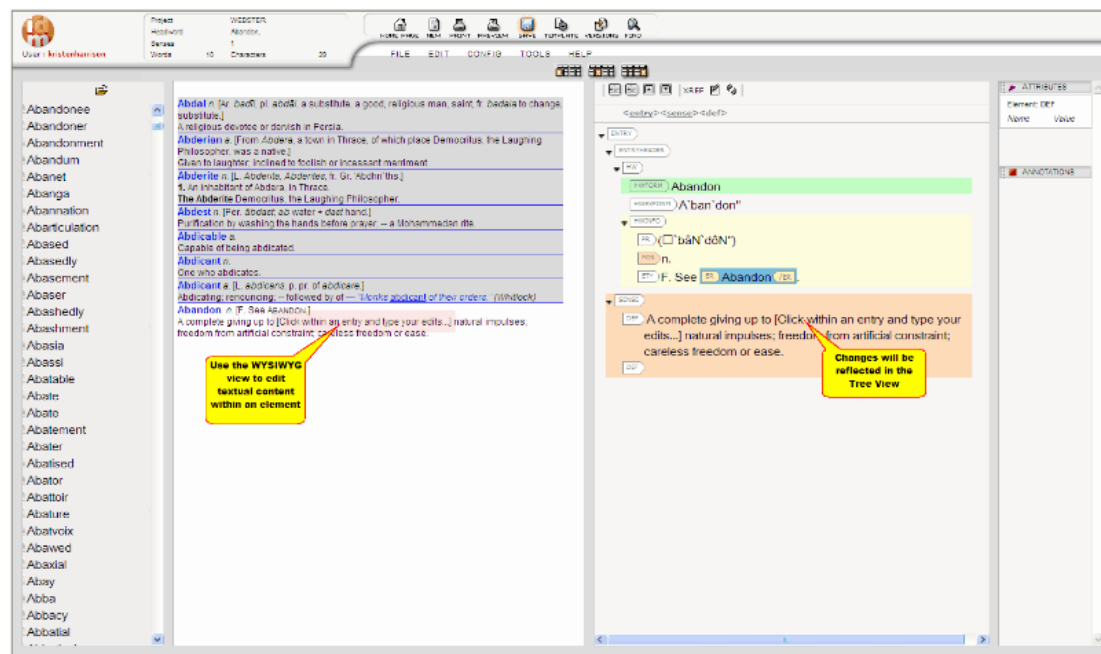
*Adam Rambousek*

# Dictionary Writing System

- správa celé tvorby slovníku
- propojení s dalšími aplikacemi (korpusy, analyzátory...)
- (dictionary production system, lexicographic workbench...)
- ukládání obvykle XML databáze

# IDM DPS

- IDM (Francie)
- client-server
- DANTE lexical database, Oxford University Press



# Local database, OXFORD University Press

The screenshot displays the Oxford University Press local database interface. The top navigation bar includes a logo, user information (User: kristenharrison), project details (Project: WEBSTER, Headword: Abandon, Senses: 1, Words: 10 Characters: 39), and a menu (HOME PAGE, NEW, PRINT, PREVIEW, SAVE, TEMPLATE, VERSIONS, FIND). Below the navigation bar is a menu (FILE, EDIT, CONFIG, TOOLS, HELP) and a toolbar with icons for various editing functions.

The main content area is divided into three sections:

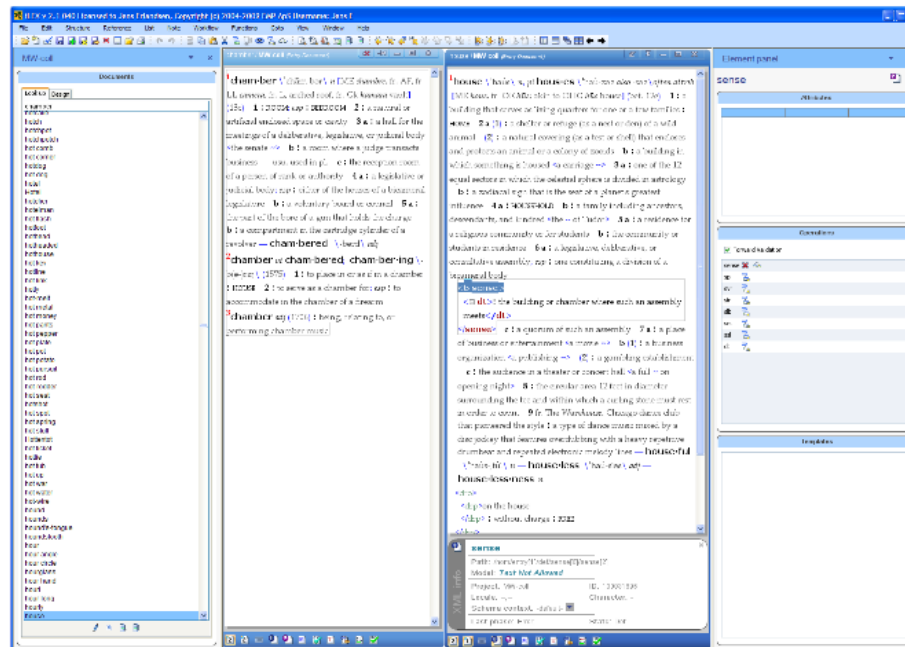
- Left Panel:** A vertical list of words starting with 'A', including Abandonee, Abandoner, Abandonment, Abandum, Abanet, Abanga, Abannation, Abarticulation, Abased, Abasedly, Abasement, Abaser, Abashedly, Abashment, Abasia, Abassi, Abatable, Abate, Abate, Abatement, Abater, Abatised, Abator, Abattoir, Abature, Abatvoix, Abawed, Abaxial, Abay, Abba, Abbacy, and Abbatial.
- Center Panel:** A list of word entries. The entry for 'Abandon' is highlighted in pink. The text for 'Abandon' is: **Abandon** *n.* [F. See ABANDON.] A complete giving up to [Click within an entry and type your edits...] natural impulses; freedom from artificial constraint; careless freedom or ease.
- Right Panel:** A tree view showing the XML structure of the 'Abandon' entry. The tree view includes:
  - <entry><sense><def>
  - ENTRY
  - ENTRYHEADER
  - HW
  - HWFORM Abandon
  - HWEXFORM A`ban`don"
  - HWINFO
  - PR (□`bāN`dōN")
  - POS n.
  - ETY F. See ER Abandon /ER.
  - SENSE
  - DEF A complete giving up to [Click within an entry and type your edits...] natural impulses; freedom from artificial constraint; careless freedom or ease.
  - DEF

Two yellow callout boxes provide instructions:

- Use the WYSIWYG view to edit textual content within an element** (pointing to the 'Abandon' entry in the center panel).
- Changes will be reflected in the Tree View** (pointing to the 'DEF' element in the tree view).

# iLEX

- Erlandsen Media Publishing (Dánsko)
- client-server / desktop, multiplatform
- Van Dale (Holandsko)



Documents

Look up Design

- chamber
- notcake
- hotch
- hotchpot
- hotchpotch
- hot comb
- hot corner
- hotdog
- hot dog
- hotel
- Hotel
- hotelier
- hotelman
- hot flash
- hotfoot
- hothead
- hotheaded
- hothouse
- hot key
- hotline
- hot link
- hotly
- hot-melt
- hot metal
- hot money
- hot pants
- hot pepper
- hot plate
- hot pot
- hot potato
- hot pursuit
- hot rod
- hot-rodder
- hot seat
- hotshot
- hot spot
- hot spring
- hot stuff
- Hottentot
- hot ticket
- hottie
- hot tub
- hot up
- hot war
- hot water
- hot-wire
- hound
- hounds
- hound's-tongue
- houndstooth
- hour
- hour angle
- hour circle
- hourglass
- hour hand
- hourly
- hour-long
- hourly
- house

**1** **cham·ber** \ 'chām-bēr \ *n* [ME *chambre*, fr. AF, fr. LL *camera*, fr. L, arched roof, fr. Gk *kamara* vault] (13c) **1** : ROOM; *esp* : BEDROOM **2** : a natural or artificial enclosed space or cavity **3 a** : a hall for the meetings of a deliberative, legislative, or judicial body <the senate → **b** : a room where a judge transacts business — *usu.* used in pl. **c** : the reception room of a person of rank or authority **4 a** : a legislative or judicial body; *esp* : either of the houses of a bicameral legislature **b** : a voluntary board or council **5 a** : the part of the bore of a gun that holds the charge **b** : a compartment in the cartridge cylinder of a revolver — **cham·bered** \ -bērd \ *adj*

**2** **chamber** *vt* **cham·bered**; **cham·ber·ing** \ -b(ə-)rɪŋ \ (1575) **1** : to place in or as if in a chamber : HOUSE **2** : to serve as a chamber for; *esp* : to accommodate in the chamber of a firearm

**3** **chamber** *adj* (1706) : being, relating to, or performing chamber music

**1** **house** \ 'hāus \ *n*, *pl* **house·es** \ 'hāu-zēz *also* -səz \ *often attrib* [ME *hous*, fr. OE *hūs*; akin to OHG *hūs* house] (bef. 12c) **1** : a building that serves as living quarters for one or a few families : HOME **2 a** (1) : a shelter or refuge (as a nest or den) of a wild animal (2) : a natural covering (as a test or shell) that encloses and protects an animal or a colony of zooids **b** : a building in which something is housed <a carriage → **3 a** : one of the 12 equal sectors in which the celestial sphere is divided in astrology **b** : a zodiacal sign that is the seat of a planet's greatest influence **4 a** : HOUSEHOLD **b** : a family including ancestors, descendants, and kindred <the ~ of Tudor> **5 a** : a residence for a religious community or for students **b** : the community or students in residence **6 a** : a legislative, deliberative, or consultative assembly; *esp* : one constituting a division of a bicameral body

**<b sense>**

**<dt>** : the building or chamber where such an assembly meets **</dt>**

**</sense>** **c** : a quorum of such an assembly **7 a** : a place of business or entertainment <a movie → **b** (1) : a business organization <a publishing → (2) : a gambling establishment **c** : the audience in a theater or concert hall <a full ~ on opening night> **8** : the circular area 12 feet in diameter surrounding the tee and within which a curling stone must rest in order to count **9 fr.** The Warehouse, Chicago dance club that pioneered the style : a type of dance music mixed by a disc jockey that features overdubbing with a heavy repetitive drumbeat and repeated electronic melody lines — **house·ful** \ 'hāus-·fūl \ *n* — **house·less** \ 'hāu-sləs \ *adj* — **house·less·ness** *n*

**<dro>**

**<drp>** on the house

**</drp>** : without charge : FREE

**</dro>**

**sense**

Path: /hom/entry[1]/def/sense[6]/sense[2]  
 Model: Text Not Allowed

Project: MW-coll ID: 100031696  
 Locale: -- Character: --  
 Schema context: -default-

Last phase: Error: State: Def

sense

Attributes

Operations

Forward Validation

sense

sp

svr

sin

slb

set

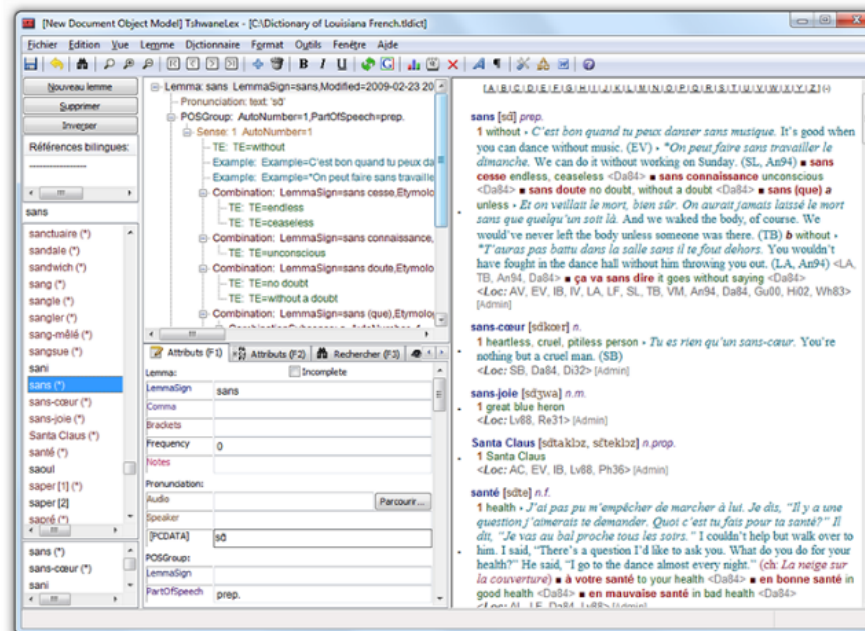
ssl

dt

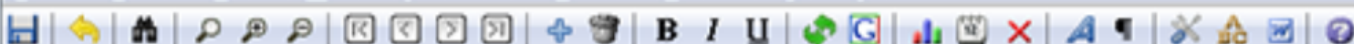
Templates

# TLex

- TshwaneDJe (JAR)
- client-server / desktop
- Oxford University Press, Longman Publishing







Nouveau lemme

Supprimer

Inverser

Références bilingues:

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-----

-----

sans

sanctuaire (\*)

sandale (\*)

sandwich (\*)

sang (\*)

sangle (\*)

sanglier (\*)

sang-mêlé (\*)

sang-sue (\*)

sani

sans (\*)

sans-cœur (\*)

sans-joie (\*)

Santa Claus (\*)

santé (\*)

saoul

saper [1] (\*)

saper [2]

sapré (\*)

-----

sans (\*)

sans-cœur (\*)

sani

-----

Lemme: sans LemmaSign=sans,Modified=2009-02-23 20

Pronunciation: text: 'sɑ'

POSGroup: AutoNumber=1,PartOfSpeech=prep.

Sense: 1 AutoNumber=1

TE: TE=without

Example: Example=C'est bon quand tu peux da

Example: Example=\*On peut faire sans travaille

Combination: LemmaSign=sans cesse,Etymolo

TE: TE=endless

TE: TE=ceaseless

Combination: LemmaSign=sans connaissance,

TE: TE=unconscious

Combination: LemmaSign=sans doute,Etymolo

TE: TE=no doubt

TE: TE=without a doubt

Combination: LemmaSign=sans (que),Etymolo

Attributs (F1) Attributs (F2) Rechercher (F3)

Lemme:

 Incomplete

LemmaSign sans

Comma

Brackets

Frequency 0

Notes

Pronunciation:

Audio

Parcourir...

Speaker

[PCDATA]

sɑ

POSGroup:

LemmaSign

PartOfSpeech prep.

[A][B][C][D][E][F][G][H][I][J][K][L][M][N][O][P][Q][R][S][T][U][V][W][X][Y][Z](-)

sans [sɑ] prep.

1 without • *C'est bon quand tu peux danser sans musique.* It's good when you can dance without music. (EV) • *\*On peut faire sans travailler le dimanche.* We can do it without working on Sunday. (SL, An94) ■ **sans cesse** endless, ceaseless <Da84> ■ **sans connaissance** unconscious <Da84> ■ **sans doute** no doubt, without a doubt <Da84> ■ **sans (que) a** unless • *Et on veillait le mort, bien sûr. On aurait jamais laissé le mort sans que quelqu'un soit là.* And we waked the body, of course. We would've never left the body unless someone was there. (TB) **b** without • *\*T'auras pas battu dans la salle sans il te fout dehors.* You wouldn't have fought in the dance hall without him throwing you out. (LA, An94) <LA, TB, An94, Da84> ■ **ça va sans dire** it goes without saying <Da84> <Loc: AV, EV, IB, IV, LA, LF, SL, TB, VM, An94, Da84, Gu00, Hi02, Wh83> [Admin]

sans-cœur [sɑkœr] n.

1 heartless, cruel, pitiless person • *Tu es rien qu'un sans-cœur.* You're nothing but a cruel man. (SB) <Loc: SB, Da84, Di32> [Admin]

sans-joie [sɑʒwa] n.m.

1 great blue heron <Loc: Lv88, Re31> [Admin]

Santa Claus [sɑtakloz, sɛtekloz] n.prop.

1 Santa Claus <Loc: AC, EV, IB, Lv88, Ph36> [Admin]

santé [sɑte] n.f.

1 health • *J'ai pas pu m'empêcher de marcher à lui. Je dis, "Il y a une question j'aimerais te demander. Quoi c'est tu fais pour ta santé?" Il dit, "Je vas au bal proche tous les soirs."* I couldn't help but walk over to him. I said, "There's a question I'd like to ask you. What do you do for your health?" He said, "I go to the dance almost every night." (ch: *La neige sur la couverture*) ■ **à votre santé** to your health <Da84> ■ **en bonne santé** in good health <Da84> ■ **en mauvaise santé** in bad health <Da84> <Loc: AL, LE, Da84, Lv88> [Admin]

# ABBYY Lingvo Content

- ABBYY (Rusko)
- client-server

The screenshot displays the ABBYY Lingvo interface for a dictionary entry. The window title is 'ABBYY Lingvo Content System (LingvoNet) - Dictionary: Actives (De-Ru)'. The interface is divided into several sections:

- Entry listing:** A table on the top left shows a list of words including 'achten', 'Abend', 'Abendessen', 'abends', 'aber', 'abfahren', 'abhängen', 'abholen', 'ablegen', 'abnehmen', 'abnehmen', 'abreizen', 'abtragen', 'abschließen', 'acht', and 'Achtung'.
- Entry structure:** A tree view on the bottom left shows the hierarchy: 'entry' -> 'headword' -> 'content' -> '1' -> '2'. It lists sub-entries like 'а) уделить внимание' and 'б) обращать внимание'.
- Translation/Notes:** The top right pane, titled 'Штат не был скомпан', shows a list of meanings for 'achten' in Russian, such as 'уважать, почитать, считать', 'охранять', and 'обращать внимание на'.
- Formal Entry:** The bottom right pane, titled 'block', shows the formal dictionary entry structure in XML-like syntax, including fields for 'headword', 'content', 'variant', and 'sense'. It contains the same Russian text as the top right pane.

Number of entries: 1576

achten

Entry heading	User
Abend	
Abendessen	
abends	
aber	
abfahren	
abhängen	
abholen	
ablegen	
ablehnen	Anthony Scott
abnehmen	
abreisen	
absagen	
abschließen	
acht	Anthony Scott
<b>achten</b>	
Achtung	
achtzehn	
achtzig	
Abka	
ähnlich	
al	
allein	
alles	



Status is not assigned

**achten**

1.  
vt  
уважать, почитать, ценить  
example:  
einen Menschen achten — уважать человека  
einen Kollegen achten — ценить своего сотрудника [colleague]  
j-m hoch, sehr achten — ценить кого-либо высоко, очень  
ich achte ihn als Menschen — я его как человека уважаю

2.  
vt  
обращать внимание  
example:  
auf die Kinder, auf eine Sache achten — обращать внимание на детей, на какое-либо дело  
achte auf meine Kinder! — присмотря за моими детьми!

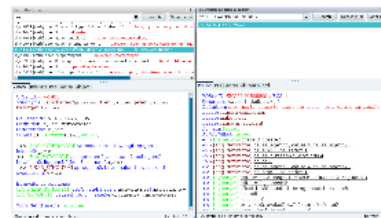
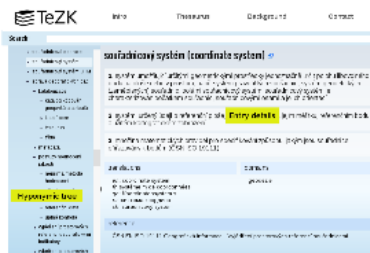
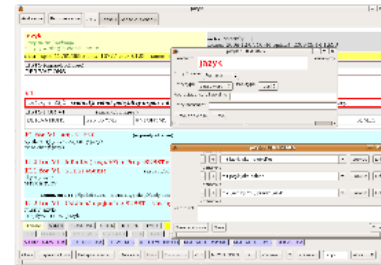
Synck

```

entry
[headword]a()chten(headword)
[content]
[nomonym 1]
[variant 1.]
[class]<[v]>[class]
[sense 1]
[subsense a:]
[m]уважа[']ть, почита[']ть, ценя[']ть[2m]
[ex]einen Me[n]schen a()chten-[2m]уважа[']ть челове[']ка[2m]/[ex]
[ex]einen Kole[']gen a()chten-[2m]цени[']ть своего['] сотрудн[']ка [colleag]y[2m]/[ex]
[ex]<[v]> hoch, sehr a()chten-[2m]ценя[']ть кого[']-либо высоко['], о[']чень[2m]/[ex]
[ex]ich a()chte ihn als Me[n]schen-[2m]я его['] как челове[']ка уважа[']ю[2m]/[ex]
[subsense]
[sense]
[variant]
[variant 2.]
[class]<[v]>[class]
[sense 1]
[subsense a:]
[m]обраца[']ть внима[']ние[2m]
[ex]auf die Ki[n]der, auf e[']ine Sa[']che a()chten-[2m]обраца[']ть внима[']ние на дете[']й, на како[']е-либо де[']ло[2m]/[ex]
[ex]a()chte auf me[']ine Ki[n]der-[2m]присмотря['] за мои[']ми дете[']ми[2m]/[ex]
[ex]waru[m] ha[']ben Sie auf die Wo[']rte i[']hres Kole[']gen nicht rea()chtet?-[2m]почему['] вы не прислу[']шались к слова[']м своего['] колле[']ги[2m]/[ex]
    
```

# DEB

- Dictionary Editor & Browser
- platforma pro vývoj slovníkových aplikací
- client-server, XML databáze
- základní knihovny pro správu dat, uživatelů



DEBVisDic  
User Settings Windows Help

DEBVisDic English WordNet  
code Search Search in all

[n] cipher:5, cypher:4, cryptograph:1, secret code:1  
 [n] code flag:1, nautical signal flag:1  
 [n] code of conduct:1, code of behavior:1  
 [n] code:1, codification:2  
 [n] code:2  
 [n] code:3, computer code:1  
 [n] color code:1  
 [n] dress code:1  
 [n] error correction code:1, ECC:1  
 [n] ethic:2, ethical code:1  
 [n] fire code:1

Preview Tree Revtree Edit Query Xml

POS: n ID: ENG20-06256978-n  
 Synonyms: code:1, codification:2  
 Definition: a set of rules or principles or laws (especially written ones)  
 Domain: factotum  
 SUMO/MILO: Obligation  
 -->> [hypernym] written communication:1, written language:1  
 -->> [eng\_derivative] codify:1  
 <<-- [eng\_derivative] codify:1  
 <<-- [hyponym] Bushido:1  
 <<-- [hyponym] legal code:1  
 <<-- [hyponym] building code:1  
 <<-- [hyponym] dress code:1  
 <<-- [hyponym] fire code:1  
 <<-- [hyponym] omerta:1  
 <<-- [hyponym] sanitary code:1, health code:1  
 <<-- [hyponym] Highway Code:1

Querying a dictionary is complete. Item(s): 30

DEBVisDic Greek WordNet  
SYNSET.ID=wnen:ENG20-062! Search Search in all

[n] κώδικας:2

Preview Tree Revtree Edit Query Xml

POS: n ID: ENG20-06256978-n  
 Synonyms: κώδικας:2  
 Definition: σύνολο κανόνων ή αρχών ή νόμων γραπτών  
 -->> [hypernym] γραπτή επικοινωνία:1, λόγος  
 STAMP: /

Querying a dictionary is complete.

DEBVisDic Korean WordNet Top 500  
교환 Search Search in all User query

[n] 교환 : 1

Preview Tree Revtree Edit Query Xml

Item

- ▷ 교환 : 1
- ▷ 교호 : 1
- ▷ 접촉 : 1
- ▷ 조우 : 1
- ▷ 아이콘택트 : 1
- ▷ 면접 : 1
- ▷ 행동 : 1
- ▷ 전철한 행동 : 1
- ▷ 완수 : 1
- ▷ 다짐 : 1
- ▷ 실천 : 1
- ▷ 방침 : 1
- ▷ 활이 : 1
- ▷ 기술 : 1
- ▷ 무척 : 1
- ▷ 신행 : 1


Querying a dictionary is complete. Found 4 item(s). Item(s): 1

me  | var  | PR  | Progress: R  | GBLoc  | IreLoc  | LocEty  | RelEty   
Has query

headword  GB freq. 1881  1997  2011  Ire freq. 1997  2008

variants  +  1076/813  
Main GB location, 1881   
Main Ire location 1847-64

sense nr.  | RI   + e.b. + expl + sense remove sense

expl.   


archive EB

archive EB

Select special character

Æ	æ	ǣ	ā	à	â	á	ç	É	ē	è	é	í	ï	ı	ı̇	ÿ	ÿ̇						
Ó	ō	ø	ó	õ	ö	ø	œ	ū	û	ú	ü	þ	þ	½	¾								
α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο	π	ρ	σ	τ	υ	φ	χ	ψ	ω
ǎ	ǎ̇	ǣ	á	é	í	ú	Û	Ü	ñ	ı̇	φ	ώ	ƒ	ε									

close more (click on letter, then Ctrl+V to paste it to text)

+ other info + references  
move this sense to entry ..  move

Add sense Remove sense Entry Sense 1 Sense 2 Sense 3

**jazyk**

Entry source fsc+ssjc  
Entry type single word noun

STAT. Sg/Pl 12792/3985 FRQ 16777 ARF 6122 Source E

Author vvesely |  
Created 2008-12-04 10:44 Updated 2009-09-14 12:26

LISTS (expand/collapse)  
DERIVATIONS

**V1**

Def.origin: SSJČ **sválnatý velmi pohyblivý orgán v d**

LISTS FOR V1 (expand/collapse)

DERIVATIONS SYNONYMS ANTONYMS

**E1 for V1 Adj+SUBST (expand/collapse)**

vyplazený jazyk, zapadlý jazyk;  
rozeklaný jazyk

**E10 for V1 Infinitiv (resp. VF) + Prep+SUBST-v**

**E11 for V1 SUBST+Subst (expand/collapse)**

rty a jazyk;  
jazyk a zuby

Comm. on E11 případně Subst + SUBST, typické případy koo

**E12 for V1 Ustálená spojení se SUBST - Návrhy**

mlsný jazyk;  
rozplývat se na jazyku

HEADING ADMIN. PRONOUNC. ORIGIN HYPHEN. ETYMOL. S  
EXPR. REGIONAL F. TEMPORAL F. STYLISTIC F. FIELD USAGE  
ABBR./EQUIVALENTS COLLOCATIONS PHRASEMES OTHER MULTWORD MULTIWORD UNPROC. MULTIWORD COMP. DERIVATIONS

jazyk : HEADING

Headword **jazyk** Homonymy

Entry Source fsc+ssjc

Entry type single word POS/type noun

Abbreviations: full wording

Entry comment

Save and close Save

jazyk : PHRASEMES

- + mít jazyk jako na obrtlíku LookUp Link

Poznámka

- + mít jazyk jako poleno LookUp Link

Poznámka

- + mlčí jako by /mu/ přimrzl jazyk LookUp Link

Poznámka

Comment

Save and close Save Close

vy

SEMES

LookUp Link

LookUp Link

LookUp Link

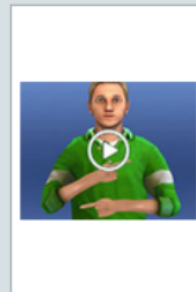
Close

all di... Search

Zdroj: MU, Středisko Telesis



R



Front view

Side view

ǂ < 0 [ǂ=2 ǂ] X [ǂ ǂ] ǂ ǂ

Zdroj: MU, Středisko Telesis

**Lexical category:** general noun  
**Mouthing:** [čaj] - compulsory

### Gramatical variats



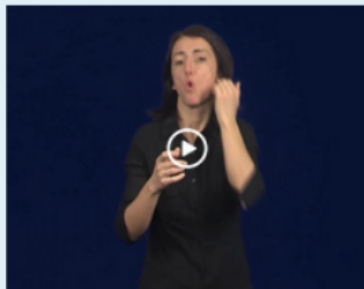
Zdroj: MU, Středisko Telesis

**Distribution area:** Entire Czech Republic



Zdroj: MU, Středisko Telesis

### Meaning



Zdroj: MU, Středisko Telesis

### Examples of use





Cornetto Synset

doen Search Search in all

d\_v-9061 [verb] doen:2, zitten:7, liggen:5, lopen:5, staan:10 bezig zijn met;bezig zijn met;bezig zijn met;  
 d\_v-2044 [verb] doen:3 tijd kosten;  
 d\_v-7968 [verb] doen:4, verhandelen:1 kopen en verkopen;werken;  
 d\_v-2045 [verb] doen:5, verrichten:1, werken:1 uitvoeren, doen;handeling verrichten;een taal  
 d\_v-1401 [verb] doen:6, verschaffen:2, geven:2, bezorgen:1 bij iem. veroorzaken  
 d\_v-4949 [verb] doen:7, opbrengen:1 opleveren, voortbrengen  
 d\_v-6352 [verb] doen:8, reinigen:1, kuisen:2, schoonmaken:1, afnemen:4 (iets) ontdoen van  
 d\_v-2046 [verb] doen:9 oppervlakkig bereizen;  
 d\_v-6812 [verb] doen:10, stoppen:3, steken:3 in iets stoppen;in iets steken;in een ruimte ber

Concept Relations Tree Revtree Edit Xml

C\_SY\_ID: d\_v-1401  
 Synonyms: verschaffen:2/d\_v-420844, doen:6/r\_v-2280, geven:2/r\_v-2942, bezorgen:1/r\_v-1585

PoS specific: VERB\_TRANSITIVE  
 Definition: bij iem. veroorzaken  
 Differentiae: bij iem.  
 SUMO: (+, , Process) , (=, , causes)

-->> [HAS\_HYPERONYM] veroorzaken:1, teweegbrengen:1, leiden:3/d\_v-8136  
 <<-- [HAS\_HYPONYM] aanspreken:4, aanstaan:2, behagen:2, bevallen:2, liggen:4, lijken:3, zinnen:2/d\_v-1322  
 -->> [NEAR\_SYNONYM] oproepen:2, bovenhalen:1, evoceren:1, evoqueren:1/d\_v-5201

Equivalence relations:  
 [EQ\_NEAR\_SYNONYM] get:3, let:4, have:5/ENG20-00116175-v | /ENG30-00120796-v  
 [EQ\_SYNONYM] cause:1, do:5, make:5/ENG20-01598809-v | /ENG30-01645601-v

WordNet domains: factotum

Querying a dictionary is complete. Item(s): 10

DEBVisDic English WordNet

SYNSET.ID=ENG20-01598809-v Search Search in all User query

[v] cause:1, do:5, make:5

Preview Tree Revtree Edit Query Xml

POS: v ID: ENG20-01598809-v BCS: 1  
 Synonyms: cause:1, do:5, make:5  
 Definition: give rise to; cause to happen or occur, not always intentionally  
 Usage: cause a commotion  
 Usage: make a stir  
 Usage: cause an accident  
 Domain: factotum  
 SUMO/MILO: causes

-->> [hyponym] make:3, create:1  
 -->> [eng\_derivative] causal agent:1, cause:4, causal agency:1  
 -->> [eng\_derivative] causing:1, causation:1  
 -->> [eng\_derivative] cause:2, reason:5, grounds:4  
 -->> [eng\_derivative] cause:1  
 <<-- [eng\_derivative] causal agent:1, cause:4, causal agency:1  
 <<-- [eng\_derivative] causing:1, causation:1  
 <<-- [hyponym] determine:2, shape:1, mold:6, influence:2, regulate:3  
 <<-- [hyponym] initiate:2, pioneer:2  
 <<-- [hyponym] effect:1, effectuate:1, bring about:1, set up:8  
 <<-- [hyponym] make:8  
 <<-- [hyponym] occasion:1  
 <<-- [hyponym] provoke:2, evoke:2, call forth:1, kick up:2  
 <<-- [hyponym] engender:1, breed:1, spawn:1

Querying a dictionary is complete. Item(s): 1

Search:

- souřadnicová operace
- souřadnicový systém
- souřadnicový systém UTM
- ▼ správa geografických dat
  - ▼ katalogizace
    - katalog kódování geoprvků a atributů
    - ▶ klasifikace
    - tezaurus
    - třída
  - ▶ metadata
  - ▼ postupy hodnocení jakosti
    - nepřímá metoda hodnocení
    - přímá metoda hodnocení
- Hyponymic tree
  - referenční data
  - úplná kontrola
  - ▶ vyjádření prostorových referencí geografickými indikátory
  - ▶ vyjádření prostorových

## souřadnicový systém (coordinate system) [↗](#)

**1:** systém umožňující určitými geometrickými prostředky jednoznačně určit polohu libovolného bodu na ploše nebo v prostoru, např. systém pravoúhlých souřadnic, systém geodetických (zeměpisných) souřadnic, polární souřadnicový systém; souřadnicový systém je charakterizován počátkem souřadnic, souřadnicovými osami a jejich orientací

**2:** systém, určený údaji o referenční ploše, **Entry details**, jejím měřítku, referenčním bodu a užitém kartografickém zobrazení

**3:** množina matematických pravidel pro specifikování způsobu, jakým jsou souřadnice přiřazovány k bodům (ČSN ISO 19111)

### translations

*en:* coordinate system  
*fr:* système m de coordonnées  
*ge:* Koordinatensystem s  
*ru:* система координат  
*sk:* súradnicový systém

### domains

geodézie

### reference

ČSN EN ISO 19111 Geografická informace - Vyjádření prostorových referencí souřadnicemi

# DEBWrite

- betatest
- webová aplikace, obecný editor
- nastavení struktury hesla -> editace
- přístupová práva, vzhled
- <https://deb.fi.muni.cz/debwrite/>

element	hw	label	headword	multiple	<input type="checkbox"/>	type	text	remove
element	gram	label	grammar	multiple	<input type="checkbox"/>	type	text	remove
element	recording	label	pronunciation audio	multiple	<input checked="" type="checkbox"/>	type	file	remove
element	mean	label	meaning	multiple	<input checked="" type="checkbox"/>	type	container	remove
element	nr	label	meaning nr	multiple	<input type="checkbox"/>	type	number	remove
element	def	label	explanation	multiple	<input type="checkbox"/>	type	textarea	remove
element	ex	label	usage	multiple	<input checked="" type="checkbox"/>	type	textarea	remove

headword

grammar

pronunciation audio  No file chosen

---

meaning

meaning nr

explanation

usage

---

meaning

meaning nr

explanation

usage