

The Quick Lojban: spacetime cmavo

sutra lojbo .i loi caltcika cmavo

Reference

The Complete Lojban Language: Chapter 10

What is Lojban:

Lojban for beginners:

Spacetime journeys

To specify where and when an even occurred, or a relation is true, we can describe a spacetime journey that, by default, is referred to the speaker position/time.

Time

pu past

ca present

ba future

nau current speaker's tense

ku move tense in positions other than before the selbri (e.g: mi ba klama → baku mi klama)



Sticky tenses

ki set the reference position/time.
Subsequent tenses are relative to the sticky one.
ki alone, resets the reference point to be the speaker's location/time.



Events

pu'o the time before the event

co'a the beginning of the event

mo'u the natural end of the event

co'u the time when the event has been interrupted

za'u when the event actually ended, past its natural end

de'a the time when the event was suspended

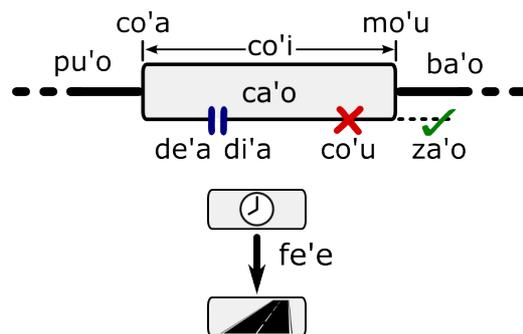
di'a the time when the event has been resumed

ca'o during the event

co'i the event as a whole

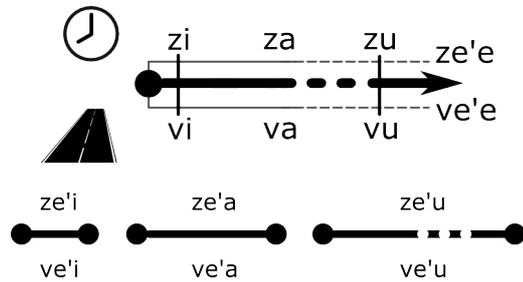
ba'o the time after the event, the aftermath

fe'e time event to space portions. e.g.: fe'eba'o = Beyond ...



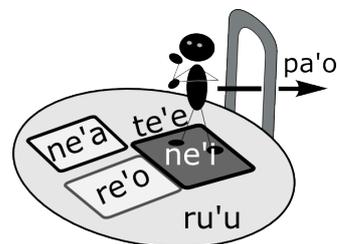
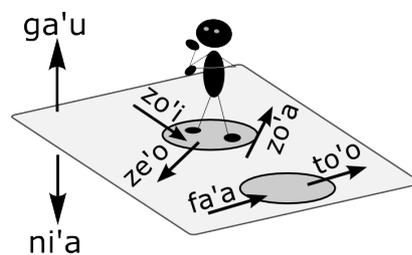
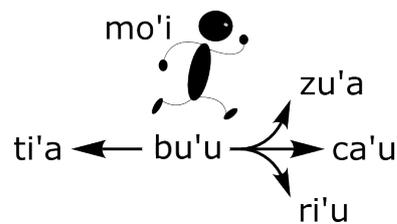
Distance and intervals

| | |
|------|---|
| zi | a short distance |
| vi | |
| za | a medium (not specified) distance longer than |
| va | zi/vi but shorter than ZU/vU |
| zu | a long distance |
| vu | |
| ze'e | the entire time/space. Can be limited: |
| ve'e | ze'epu : from the beginning of time up to now ze'eba : from now to the end of time |
| ze'i | a short interval |
| ve'i | |
| ze'a | a medium (not specified) interval longer than |
| ve'a | ze'i/ve'i but shorter than ze'u/ve'u |
| ze'u | a long interval |
| ve'u | |



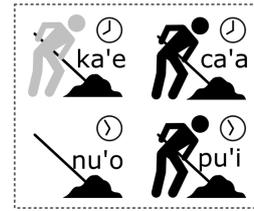
Locations & directions

| | | |
|------|-----------------|-------------------------|
| mo'i | | <i>movement</i> |
| bu'u | coincident with | moving to coincide with |
| ca'u | in front of | forward |
| ti'a | behind | backward |
| zu'a | on the left of | leftward |
| ri'u | on the right of | rightward |
| ga'u | above | upward |
| ni'a | below | downward |
| fa'a | towards | arriving at |
| to'o | away from | departing from |
| zo'i | inward from | approaching |
| ze'o | outward from | receding from |
| zo'a | tangential to | passing by |
| ne'i | within | into |
| ru'u | surrounding | orbiting |
| pa'o | transfixing | passing through |
| ne'a | next to | moving while next to |
| te'e | bordering | moving along the border |
| re'o | adjacent to | along |
| be'a | north | northward |
| ne'u | south | southward |
| du'a | east | eastward through |
| vu'a | west | westward |



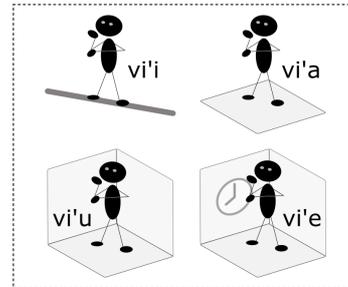
Actuality, potentiality, capability

ca'a is ...
pu'i could and has ...
ka'e could ...
nu'o could but has not ..



Dimensions

vi'i unidimensional (line)
vi'a bidimensional (area)
vi'u tridimensional (space)
vi'e quadrimimensional (spacetime)



Other cmavo

roi *n* times. paroi : once, noroi : never, roroi : always, ...
re'u *n*th time. pare'u : first time, rere'u : second time, ...
di'i regularly
na'o typically
ru'i continuously
ta'e habitually
jai brings the tense sumti tcita to the front:
mi cadzu vi le panka → le panka cu jai vi cadzu fai mi
fai used in conjunction to jai to refer to the converted sumti

