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## Program for calculating ASJP dates (version 1.1) [2011]

### Instructions

The program described here calculates ASJP dates for language families based on a similarity score 1 - LDND, where LDND is defined by Bakker et al. (2009). The procedure for calculating dates is described in Holman et al. (forthc.), the paper which this program accompanies.

The program uses a slightly modified regular ASJP datafile as input (downloadable from <http://email.eva.mpg.de/~wichmann/languages.htm>; cf. the instructions to Holman 2011 for a description of the format). The modification consists in adding three numbers to the first line, such that it takes the following form:

```
2      24   1700      1      92      72
```

The 1 in col. 24 is the level in the Ethnologue classification (Paul 2009), which is cited within the curly brackets after | right after the language designations heading each wordlist. The program has to be run separately for each level. The 92 in cols. 29-30 is the value of s0 and the 72 in cols 35-36 is the value of r, both without decimal points. The values can be changed should a different calibration be used.

To run the program, use the MS-DOS command prompt, and type a command of the form `asjp62 < input > output` and then press Enter.

### References

Bakker, Dik, André Müller, Viveka Velupillai, Søren Wichmann, Cecil H. Brown, Pamela Brown, Dmitry Egorov, Robert Mailhammer, Anthony Grant, and Eric W. Holman. 2009. Adding typology to lexicostatistics: a combined approach to language classification. *Linguistic Typology* 13.167-179.

Holman, Eric W. 2011. Programs for calculating ASJP distance matrices (version 2.1).  
<<http://email.eva.mpg.de/~wichmann/software.htm>>

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Lewis, M. Paul (ed.). 2009. *Ethnologue*. 16th Edition. Dallas: SIL International.  
([www.ethnologue.com](http://www.ethnologue.com))