Spring 6-30-2022

COMPARISION OF SPATIAL PERIODICITY OF WORDS IN KANNADA TEXTBOOKS ACROSS DIFFERENT GRADES

Darshan .

ABSTRACT

PURPOSE:

To compare the spatial Periodicity of words in Kannada textbooks across different grades in Exploratory way and provide autocorrelation value for different words.

METHODS:

Textbooks of Kannada and science from grade 1 to 10 were downloaded from KTBS website. Random numbers were generated using Microsoft excel to get page numbers and lines to select words. Autocorrelation values of those words were generated and graph was drawn using MATLAB software.

RESULTS: Values for words within the grade, words within subject and words within both grade and subject in both 1st and 2nd peak are significant.

CONCLUSION: If the Spatial Periodicity increases the visual Stress also keeps increasing. As we go to higher grades we have bigger words and size of letters are also decreased hence spatial periodicity is increased. Hence there is increase in visual stress as we move from lower to higher grades.