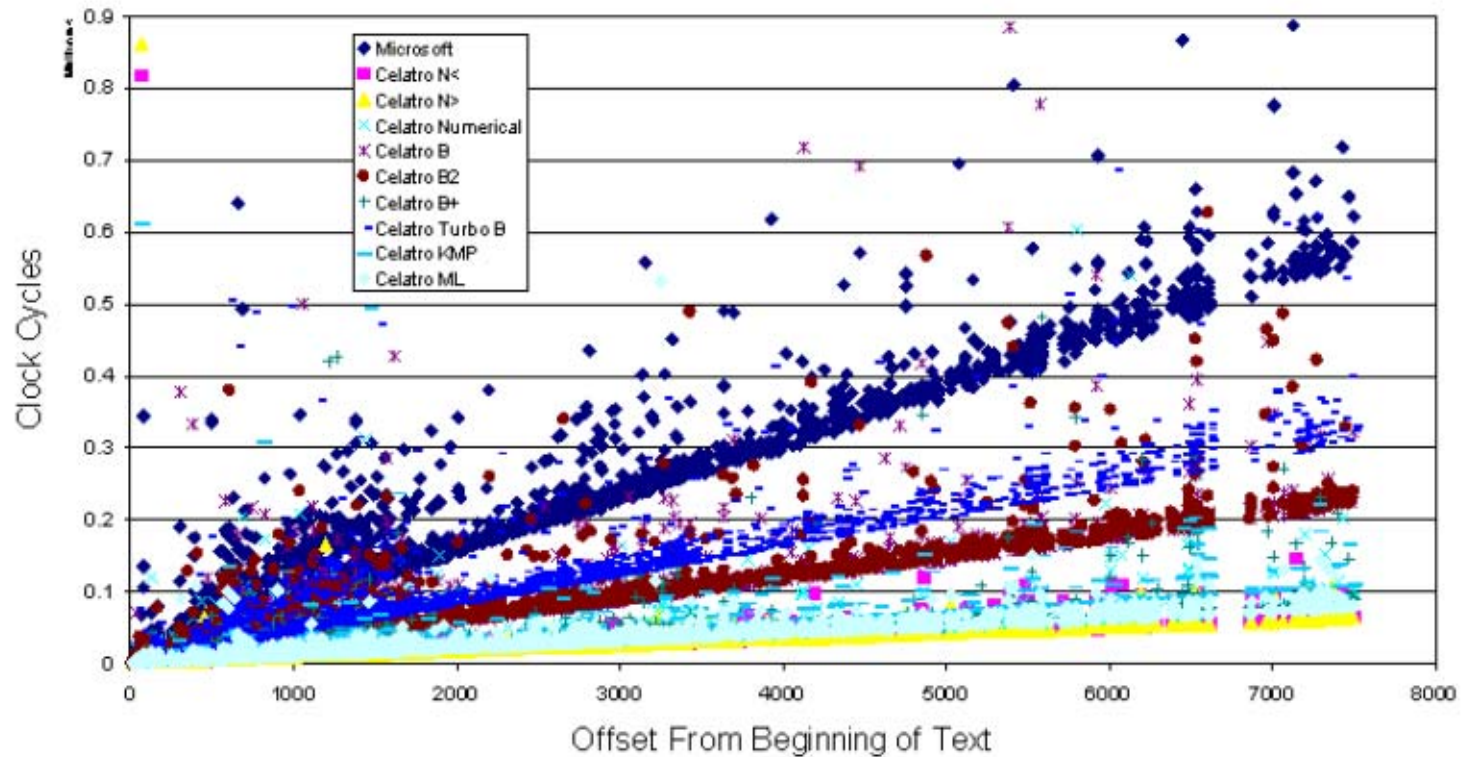
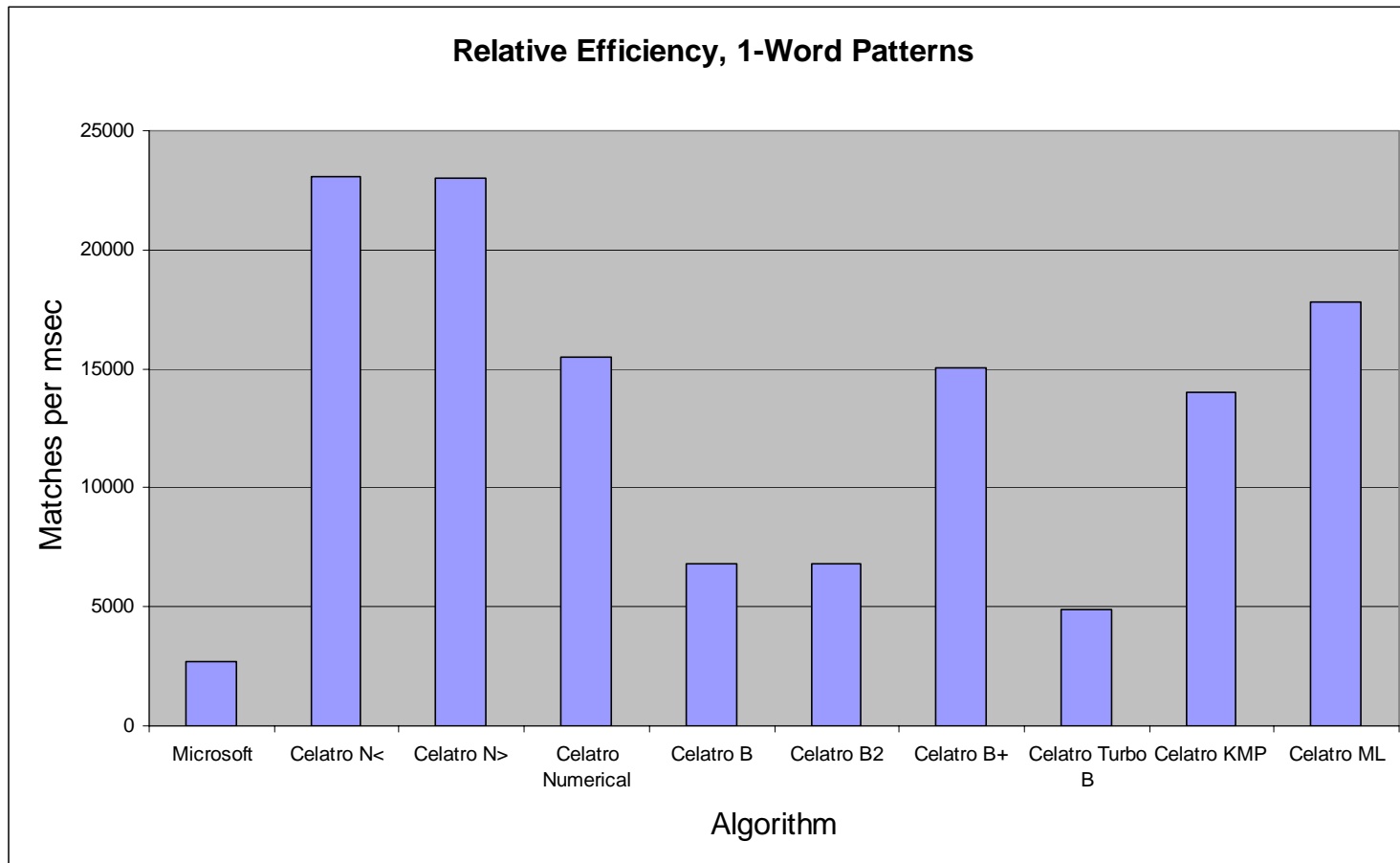


### Celatro Performance Against Chinese Text, Single-Word Patterns

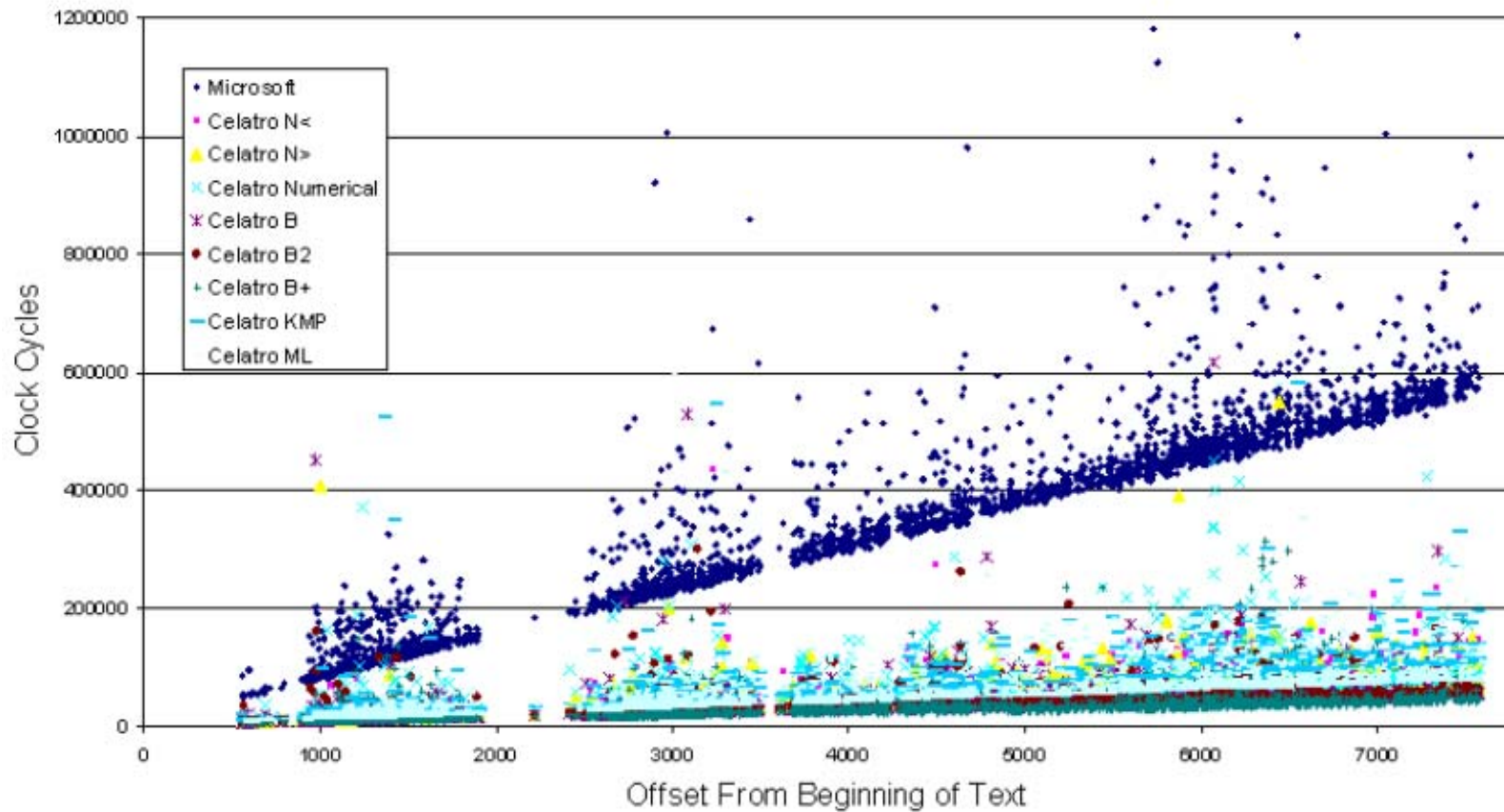


Single-word patterns were selected randomly from Chinese newspaper articles. Each algorithm then searched for each pattern throughout the texts. The searches were repeated 100 times to compensate for inconsistencies. In every case, Celatro™ algorithms outperformed Microsoft's, with fewer statistical outliers.

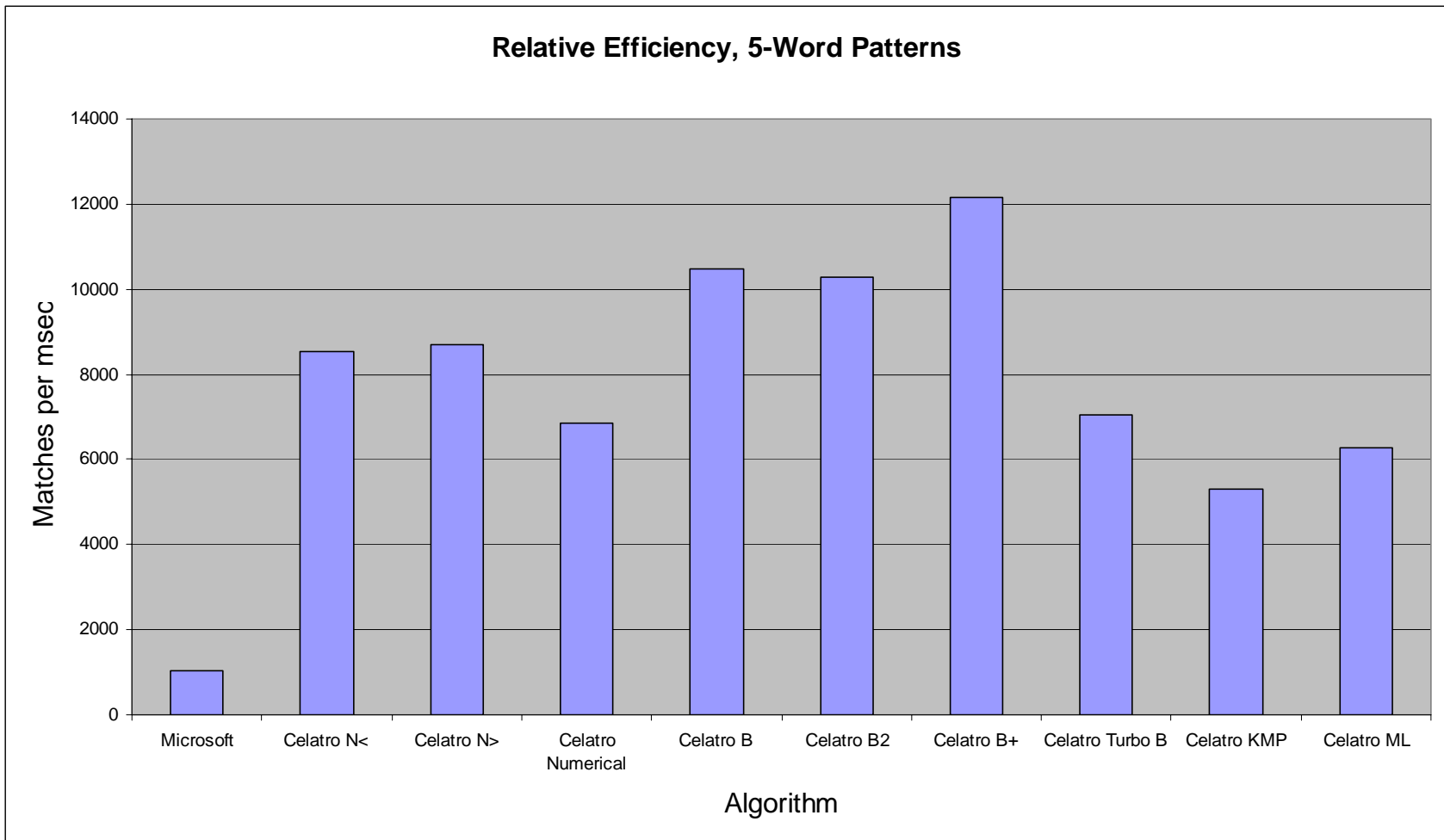


*The above histogram provides another view of the data from the preceding scatter plot. The highest values were obtained by the algorithms that found the most matches per  $\mu$ sec.*

### Celatro Performance Against Chinese Text Five-Word Patterns

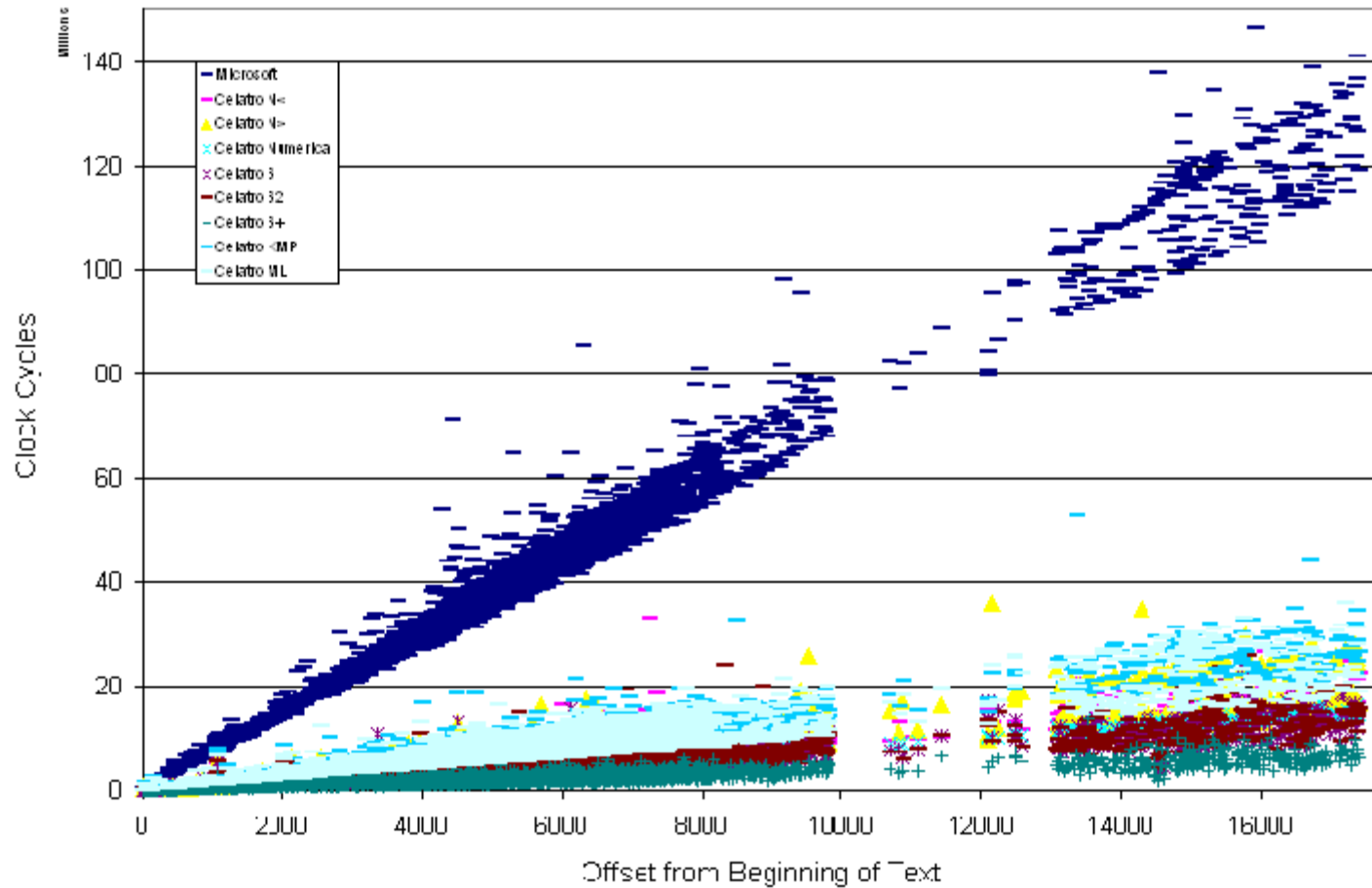


*Five-word patterns were selected randomly from Chinese newspaper articles. Each algorithm then searched for each pattern throughout the texts. The searches were repeated 100 times to compensate for inconsistencies. In every case, Celatro™ algorithms outperformed Microsoft's, with fewer statistical outliers.*

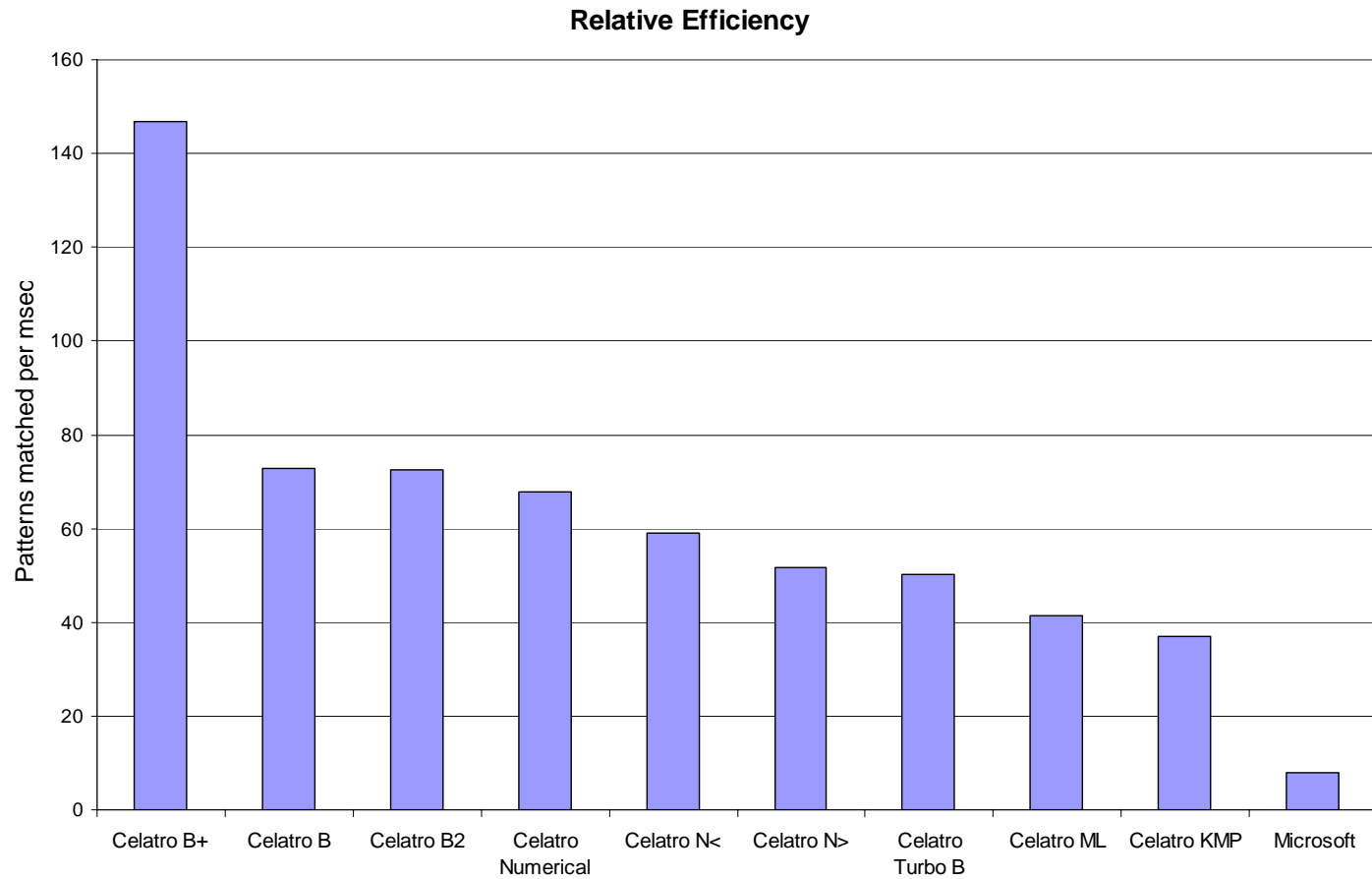


*The above histogram provides another view of the data from the preceding scatter plot. The highest values were obtained by the algorithms that found the most matches per  $\mu$ sec.*

### Celatro Performance Against Arabic Text



*Words were selected randomly from Arabic newspaper articles. Each algorithm then searched for each word throughout the texts. Each search was repeated 100 times to compensate for any inconsistencies. In every case, Celatro™ algorithms outperformed Microsoft's.*



*The above histogram provides another view of the data from the preceding scatter plot. The highest values were obtained by the algorithms that found the most matches per  $\mu$ sec.*