In the given thesis, we study limiting (summation) methods. The problems are divided into two main groups, the first one focusing on elementary limiting methods, and the second one dealing with methods which generalise those from the first group, for instance the class of matrix limiting methods. The base of the thesis is the Toeplitz theorem, which characterises regular matrix methods.

Furthermore, we invent the term improper regularity, which we subsequently apply to individual methods. By doing that we extend our knowledge of their field of convergence. We especially deal with Hutton's method, where we present some of our own results. All findings are illustrated with examples for better understanding.