MATMTDC is a free open source Matlab based program for performing dynamic analysis of AC/DC hybrid power systems. The flowchart of MATMTDC is shown in Fig.1. It is inspired by MatPower, a power flow and optimal power flow program in MATLAB. MATMTDC is an easy-to-use and easy-to-modify simulation tool for researchers and educators. Care has been taken to keep it well structured and easy to understand.



图1 MATMTDC软件算法主体流程