

ABSTRACT

The present application provides a method for predicting tool service life, an electronic device, and a storage medium. The method includes: performing simulated machining on a simulated workpiece
5 using simulation parameters of a simulated tool to obtain simulation data; performing feature analysis on the simulation data to obtain thermo-mechanical coupling parameters corresponding to the simulated tool; determining a predicted service life of the simulated tool according to the thermo-mechanical coupling parameters, a life coefficient corresponding to the simulated tool, and preset material property parameters. By using the technical solution of the present application, the prediction
10 efficiency of tool service life can be improved, workpiece consumption can be avoided, and resource waste can be reduced. FIG. 1.