

ABSTRACT

It is an object to make it possible for a teacher who is unfamiliar with programming languages to readily teach a robot motions to be made and the contents of work to be performed by the robot without using a teach pendant. A robot motion program generating method according to the present invention includes a step of performing operations for each of a plurality of template elemental motion programs sequentially, the operations including displaying a parameter specifying screen by using a GUI, the parameter specifying screen being a screen for specifying parameters of a particular template elemental motion program, and thereafter causing a storage unit to store the particular template elemental motion program as a custom elemental motion program when the parameters of the particular template elemental motion program are specified. Each of the plurality of template elemental motion programs contains, for its corresponding elemental work, one or more sets of hand end position coordinates (one or more teaching points) as parameters, the one or more sets of hand end position coordinates defining a necessary movement (position shifting and orientation changing) of the robot for the corresponding elemental work, and each template elemental motion program is configured such that the movement of the robot is specified when all of the one or more sets of hand end position coordinates are specified.