Title (en)

METHOD FOR CALIBRATING KINEMATICS

Title (de)

VERFAHREN ZUR KALIBRIERUNG EINER KINEMATIK

Title (fr)

PROCÉDÉ D'ÉTALONNAGE D'UNE CINÉMATIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013014056A1] The invention relates to a method for calibrating parallel and serial robot kinematics, which have not been constructed especially for achieving the greatest possible accuracies. To this end, there is proposed a method which comprises the following steps: - moving the kinematics along a predetermined number of first configuration vectors, wherein a control function is applied to the configuration vectors, - measuring the pose of the kinematics that is taken up as a result of the movement, - determining second configuration vectors which lead to the measured pose by application of the control function, - determining a correction value for at least a part of the first configuration vectors by evaluating the part of the first and associated second configuration vectors, - determining a function for transforming the configuration space by evaluating the correction values, and - defining a calibrated control function from sequentially carrying out first the function for transforming the configuration space and subsequently the control function.

IPC 8 full level

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CPC (source: CN EP US)

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