# Réglage de PID fractionnaire pour uneRéponse désiré en boucle fermée

## Nadir FERGANI

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**Abstract :** This work primarily concerns the techniques of the tuning of fractional order controller, weproposed a new tuning techniques are proposed for the fractional order PI?D? controller whichconsists in returning the closed loop system equivalent to a desired system of a fractional nature, ,like an example of application one to used the PI?D? controller to regulate by the proposedmethod in the order in position of the DC motor, the results obtained are compared with this oneobtained with a classical PID for shown the effectiveness, the robustness and the interest of theuse of PI?D? control .

**Keywords :** Bode’s ideal function, fractional PI?D? controller, iso-damping property