(Previous postgraduate project) Optimal Design and Control of a Separately Excited DC Motor

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The aim of this project includes:

-   developing a method for optimising coupled systems of DC motors/ PID controllers.
-   develop and simulating the DC motor/PID Controller
-   model using MATLAB.
-   running this simulation for finding the optimum motor/controller system, optimised to drive a load having a torque of 6 Nm.

Motors/controllers derived from this method should have minimum performance indices, good response and low weight.