**DEPARTMENT OF ELECTRICAL / ELECTRONIC**

**ENGINEERING**

**FACULTY OF ENGINEERING**

**NIGER DELTA UNIVERSITY**

**WILBERFORCE ISLAND**

**BAYELSA STATE**

**CONTRO II ASSIGNEMENT:**

**SIMULATION OF A SYSTEM WITH AND WITHOUT PID**

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**MAT NO: UG/12/1463**

**LEVEL : 500 LEVEL**

**COURSE : CONTROL SYSTEMS II**

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**QUESTION**

Obtain using simulink, a simulation of the above system and device a PID controller to obtain props behavior for the system

**SIMULATION WITHOU PID CONTROLLER**

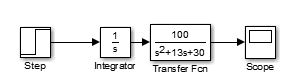


Fig.1 showing simulation diagram without **PID** controller

SIMULATION OUTPUT

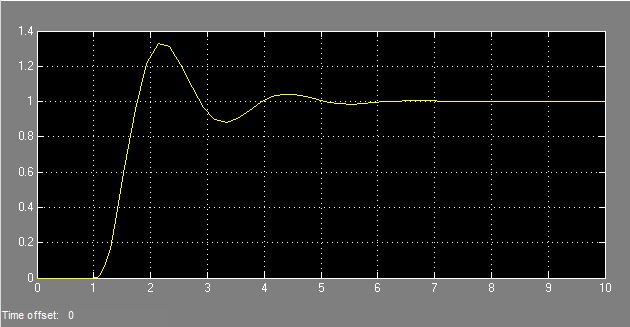


Fig 2. Simulation output without **PID**

**SIMULATION WITH PID**

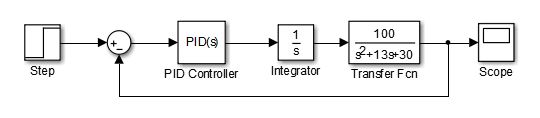


Fig 3. Block diagram of model with **PID**

Simulation output

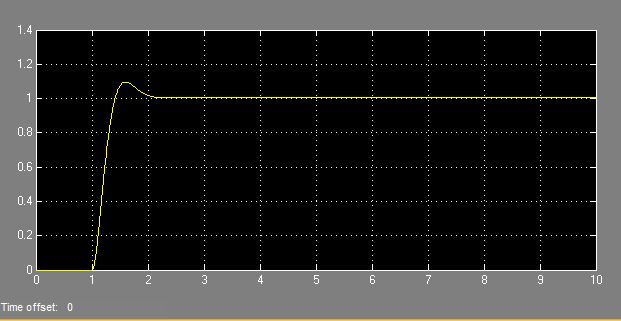


Fig 4. Simulation output with **PID** compensator