****

**1st Simulation Project**

Control Engineering

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ITE

A00344428

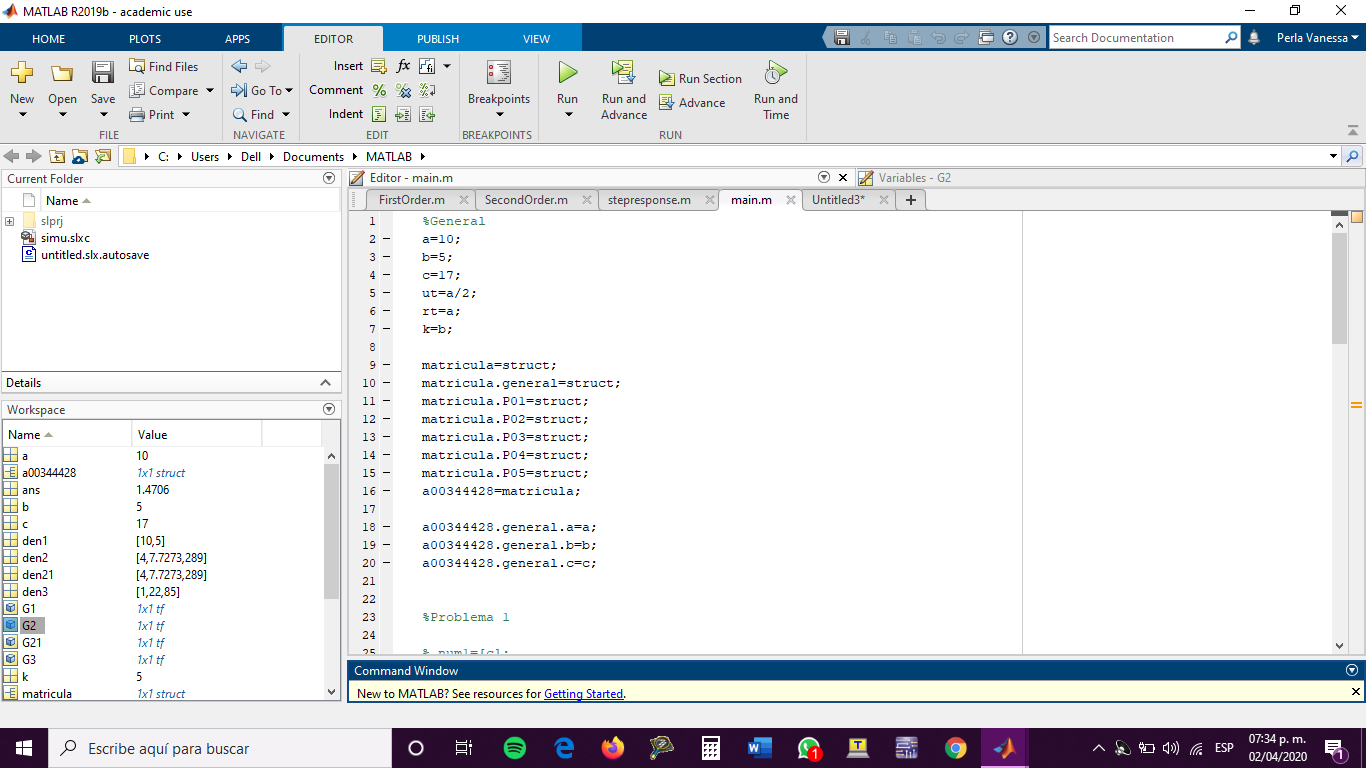
Instituto Tecnológico de Estudios Superiores de Monterrey Campus Guadalajara.

Zapopan, Jalisco, México.

April 3rd, 2020.

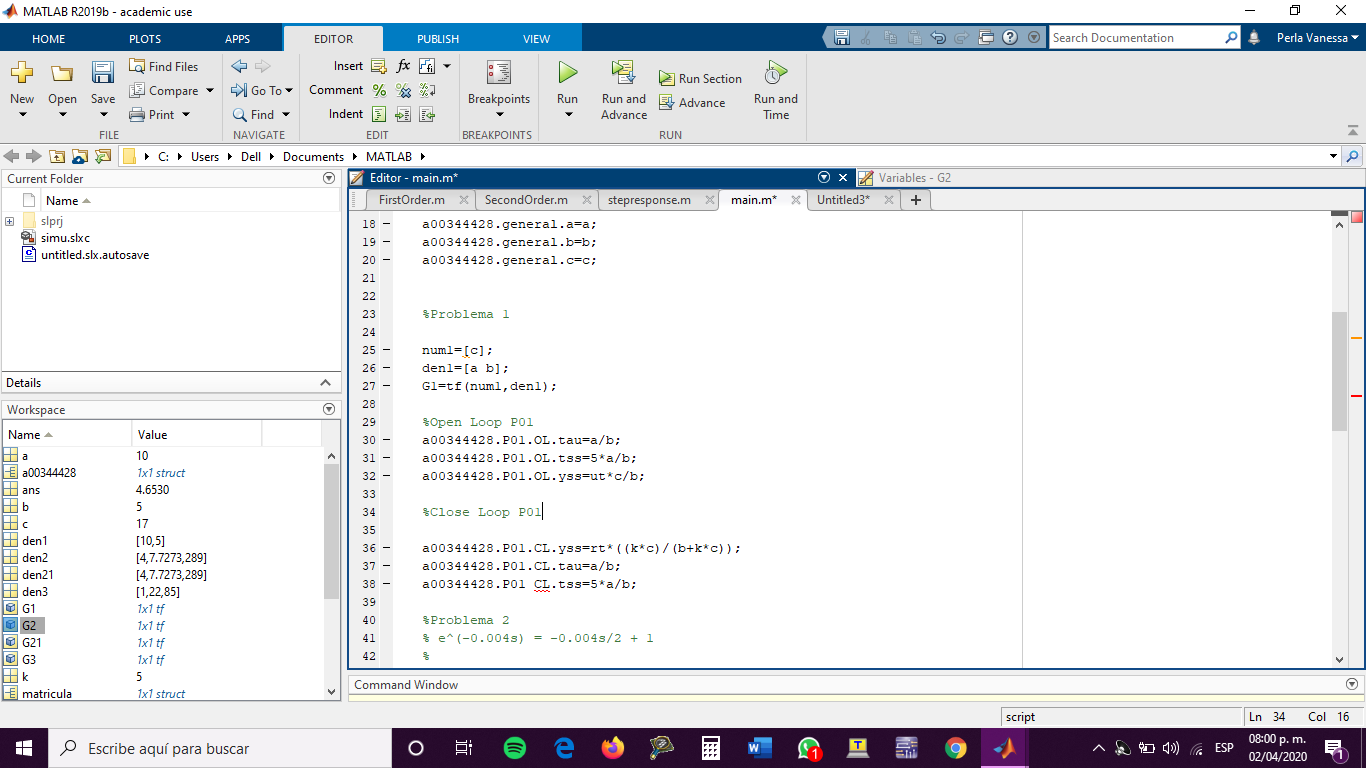
**General Parameters.**

**Date of Birth:** May 10, 1999.

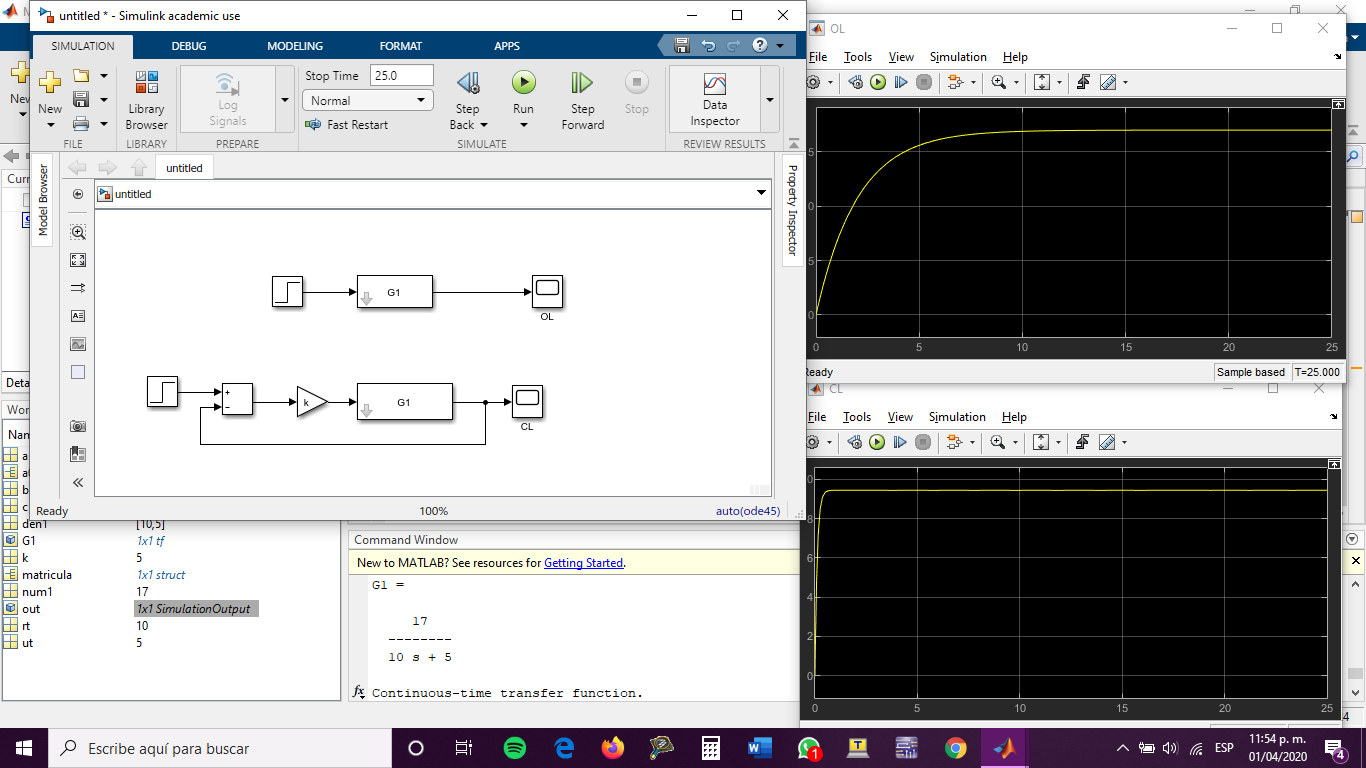


**System 1**

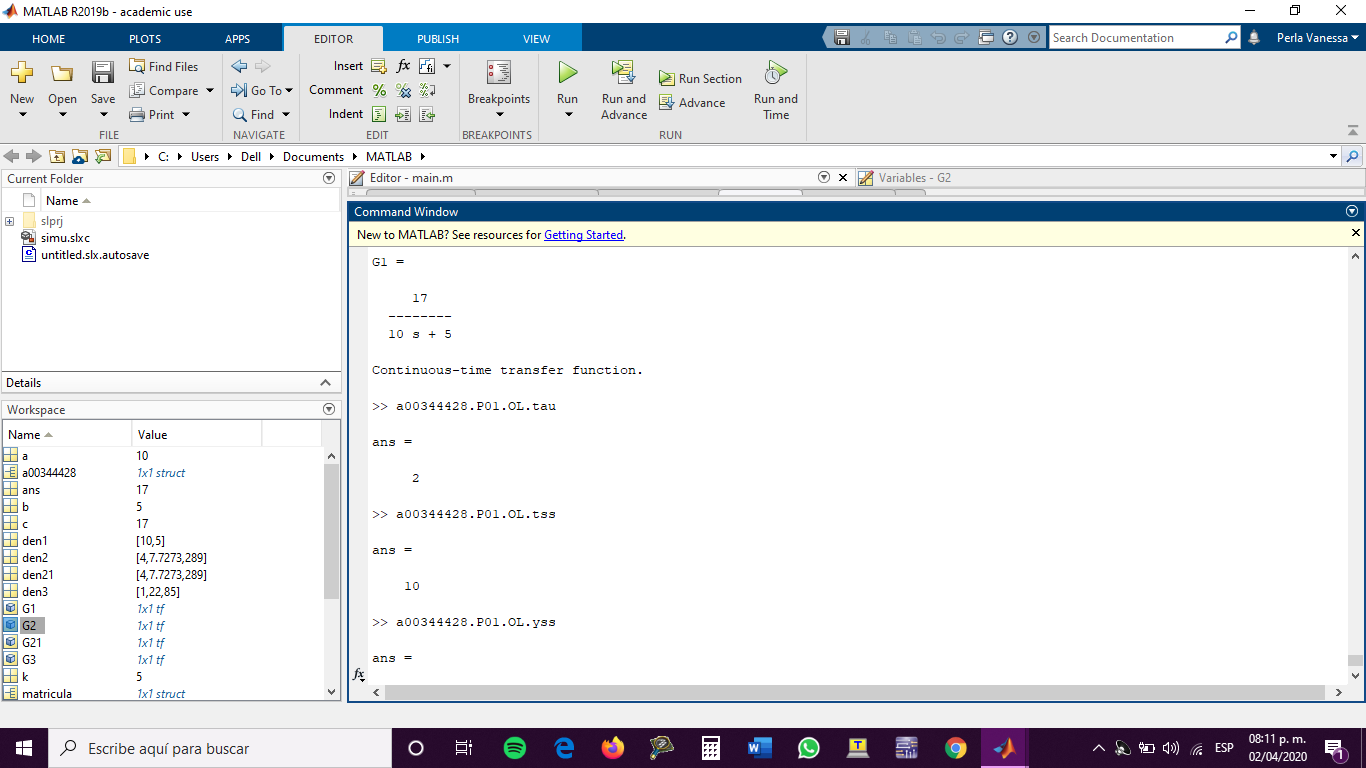
**Code.**



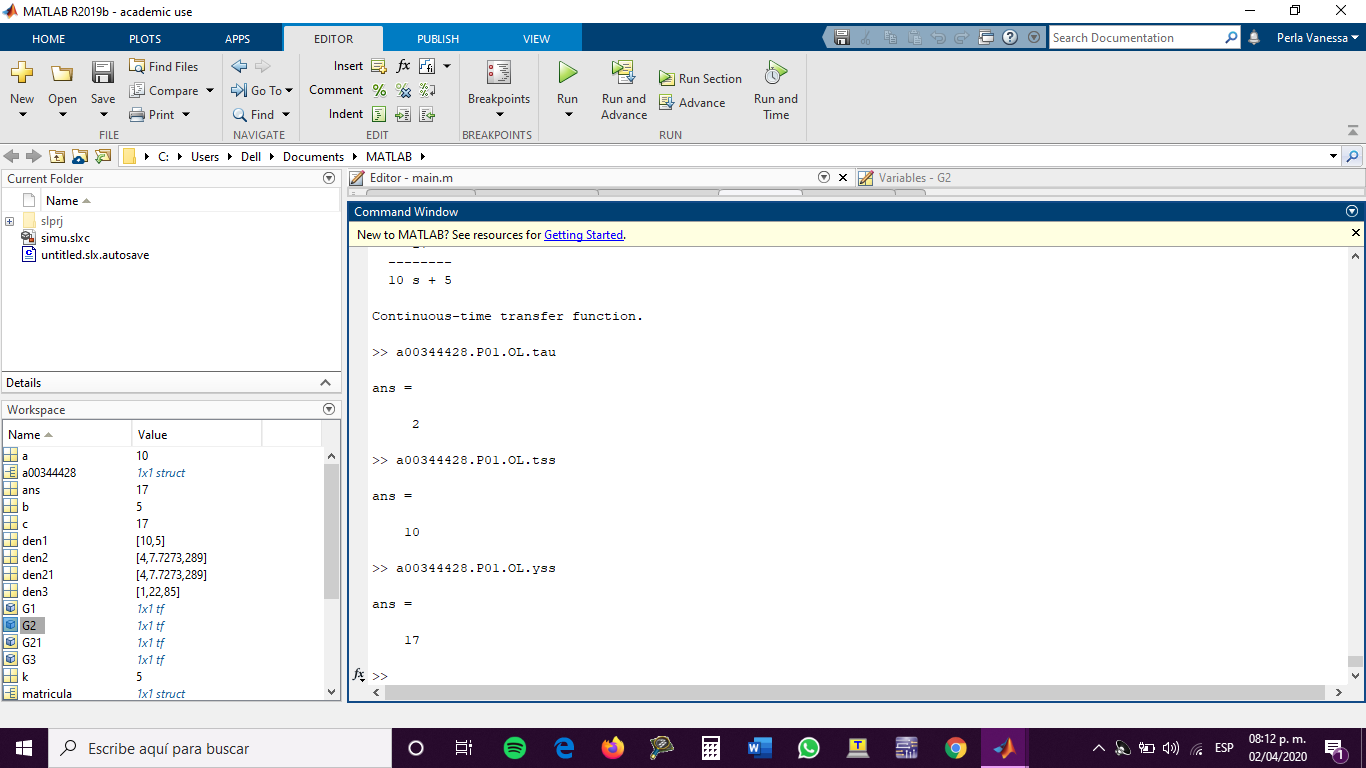
**Simulink.**



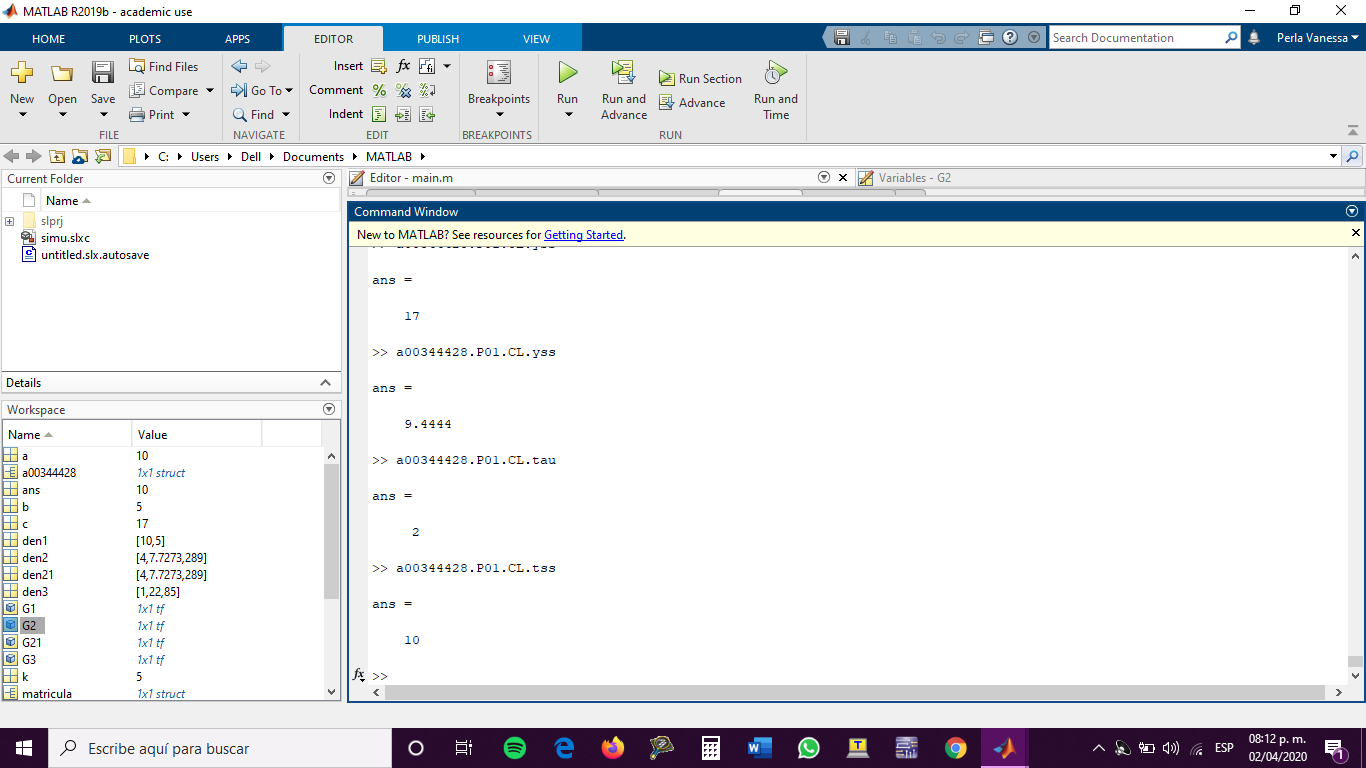
**Transfer function.**



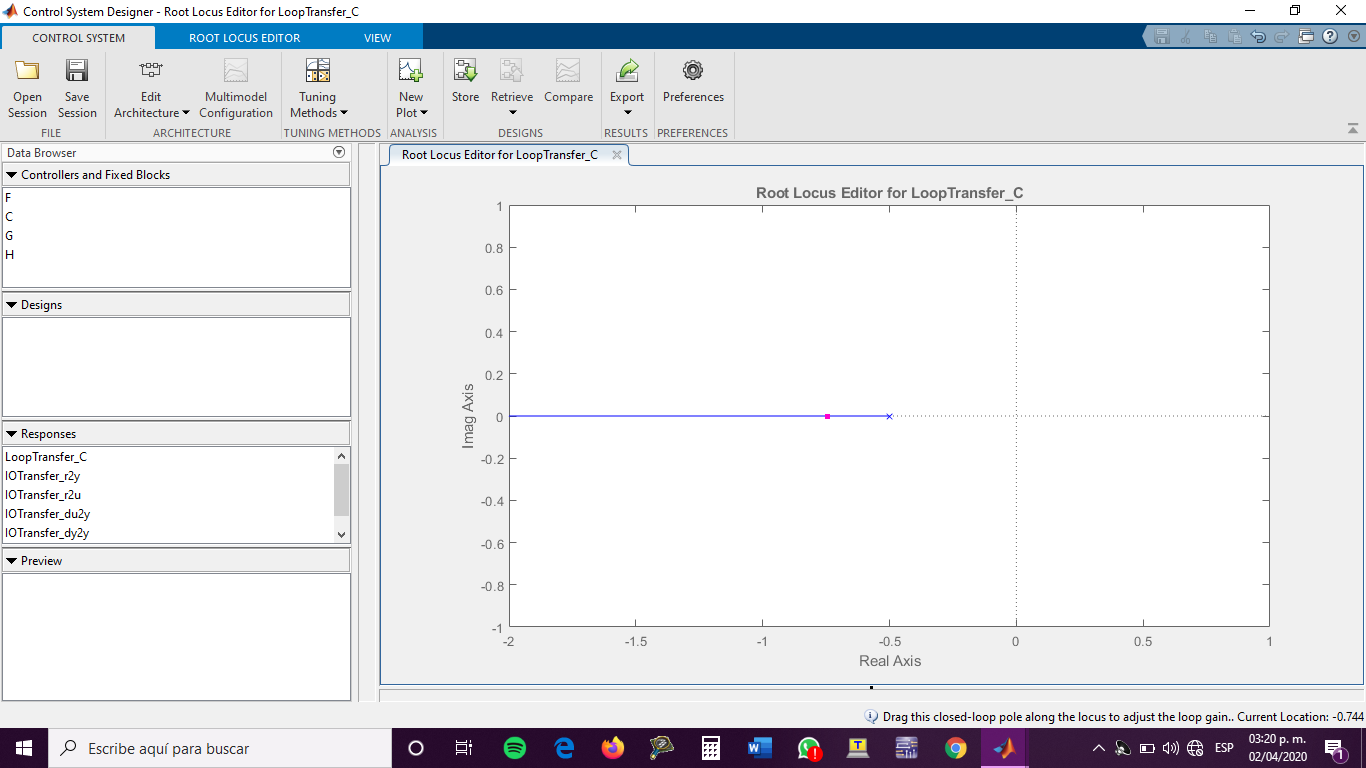
**Characterization of the system in Open Loop.**



**Characterization of the system in Close Loop**

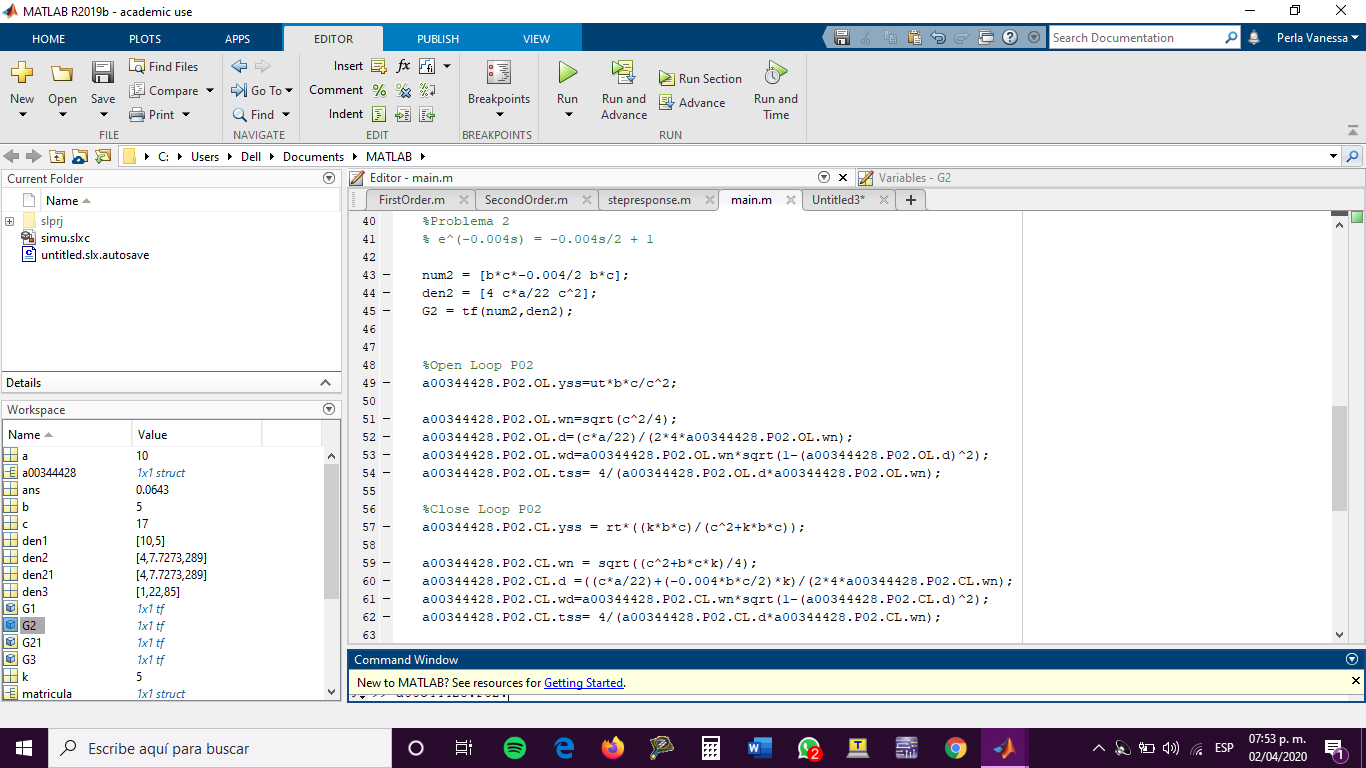


**Gain range**

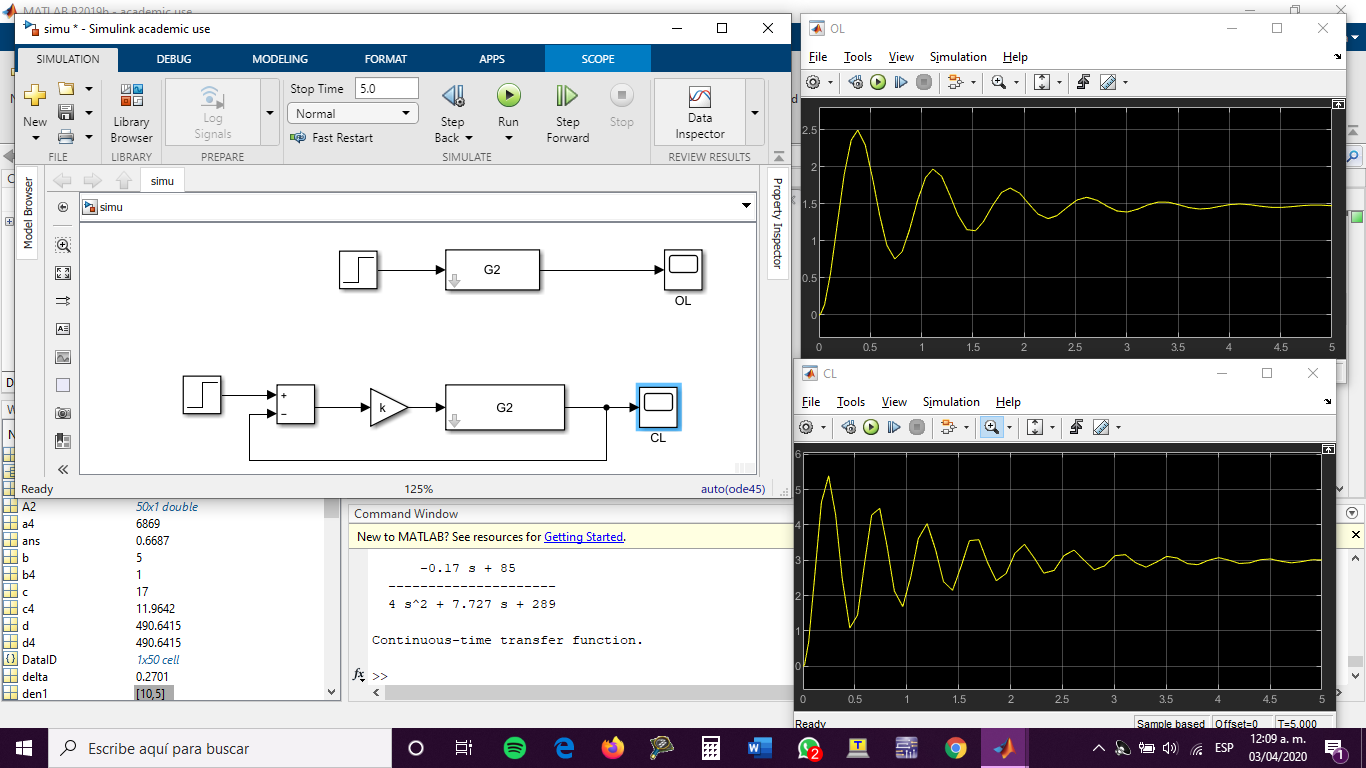


**System 2.**

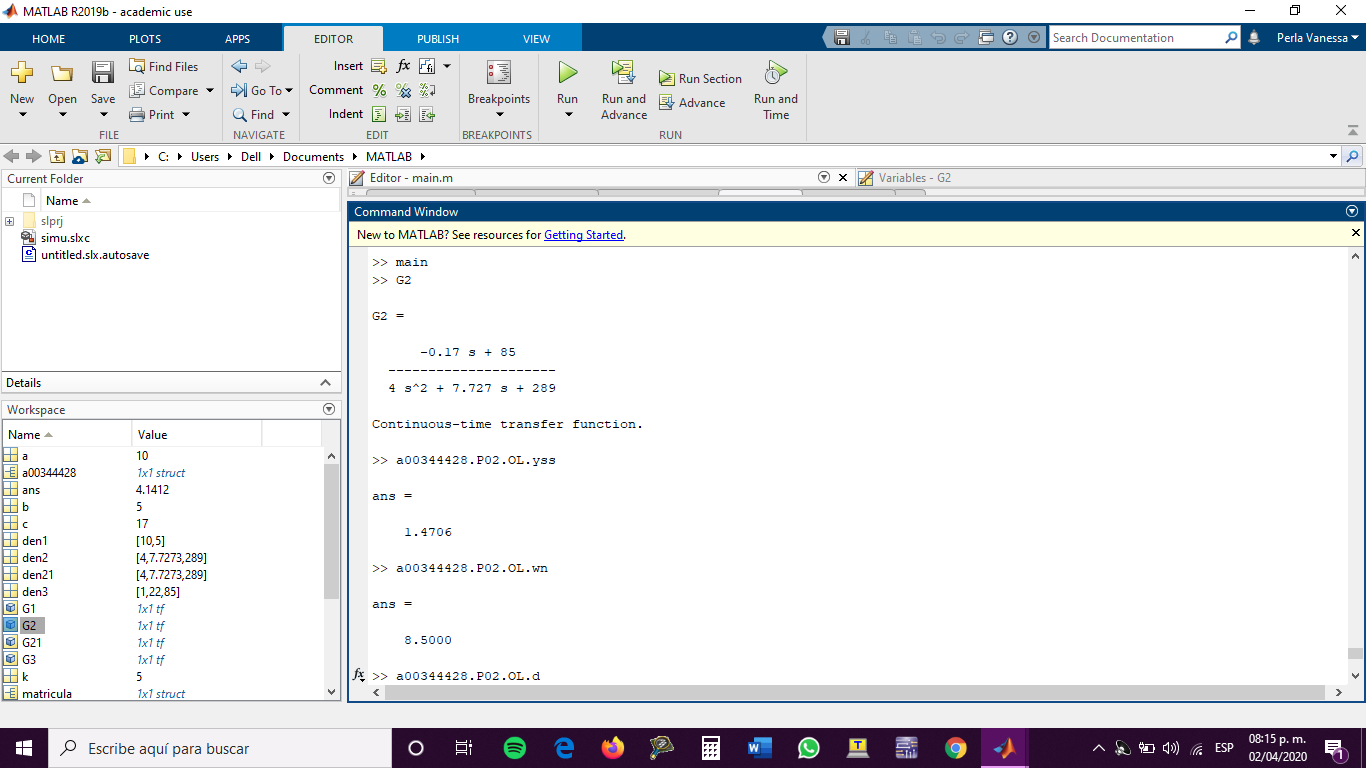
**Code.**



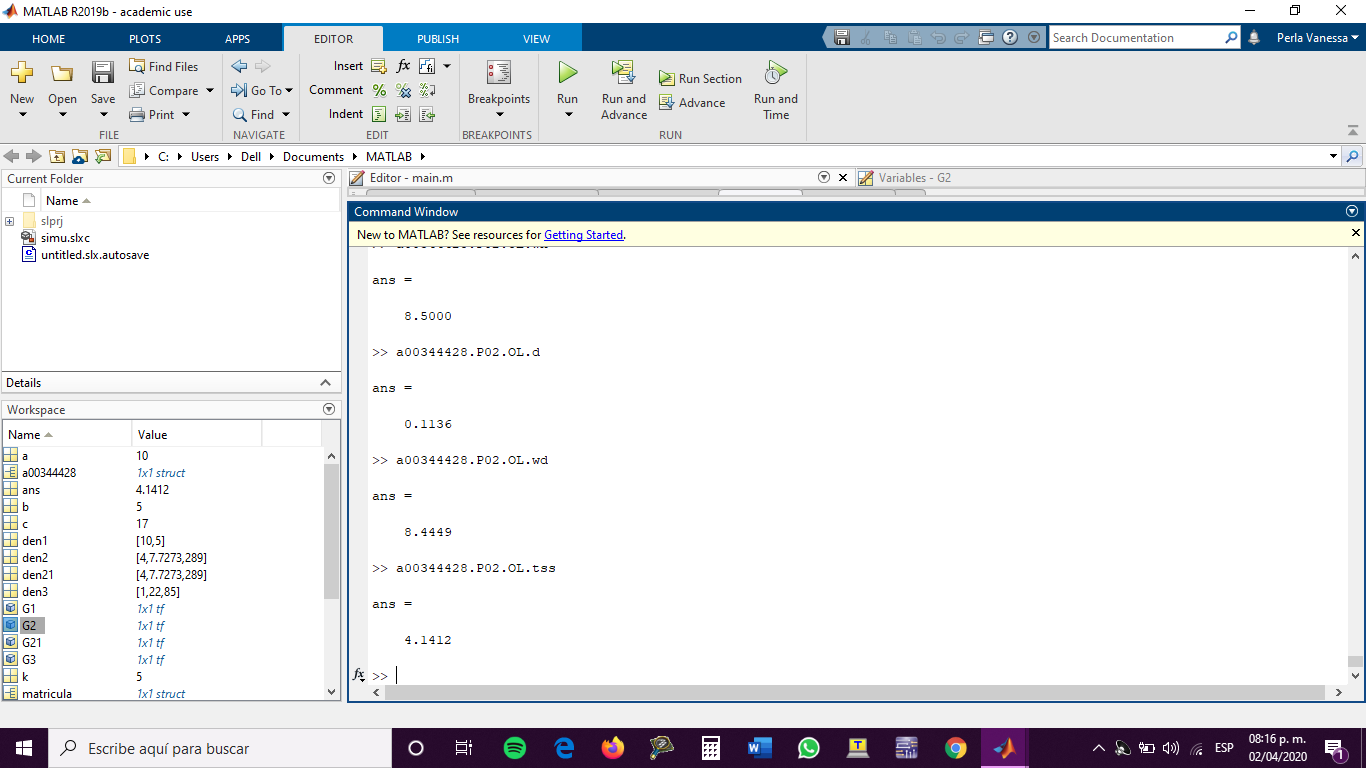
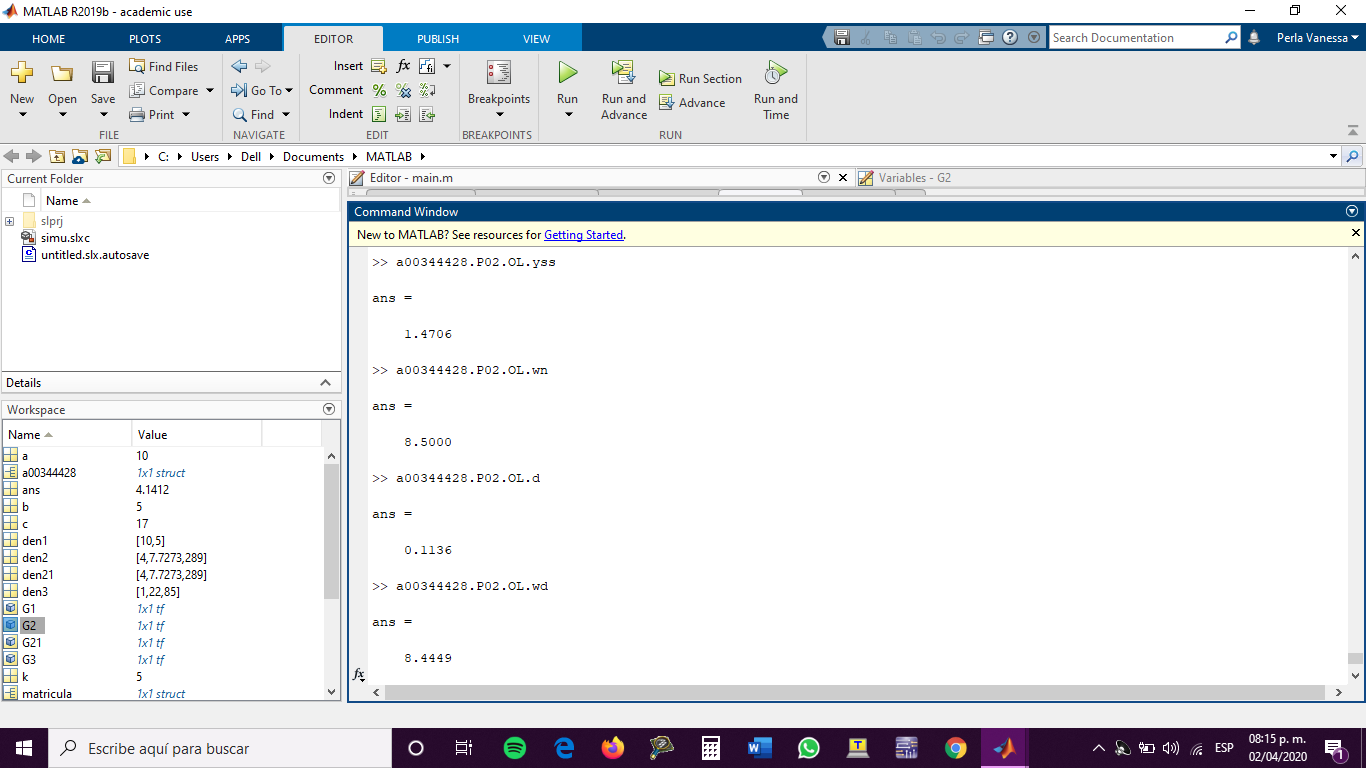
**Simulink.**



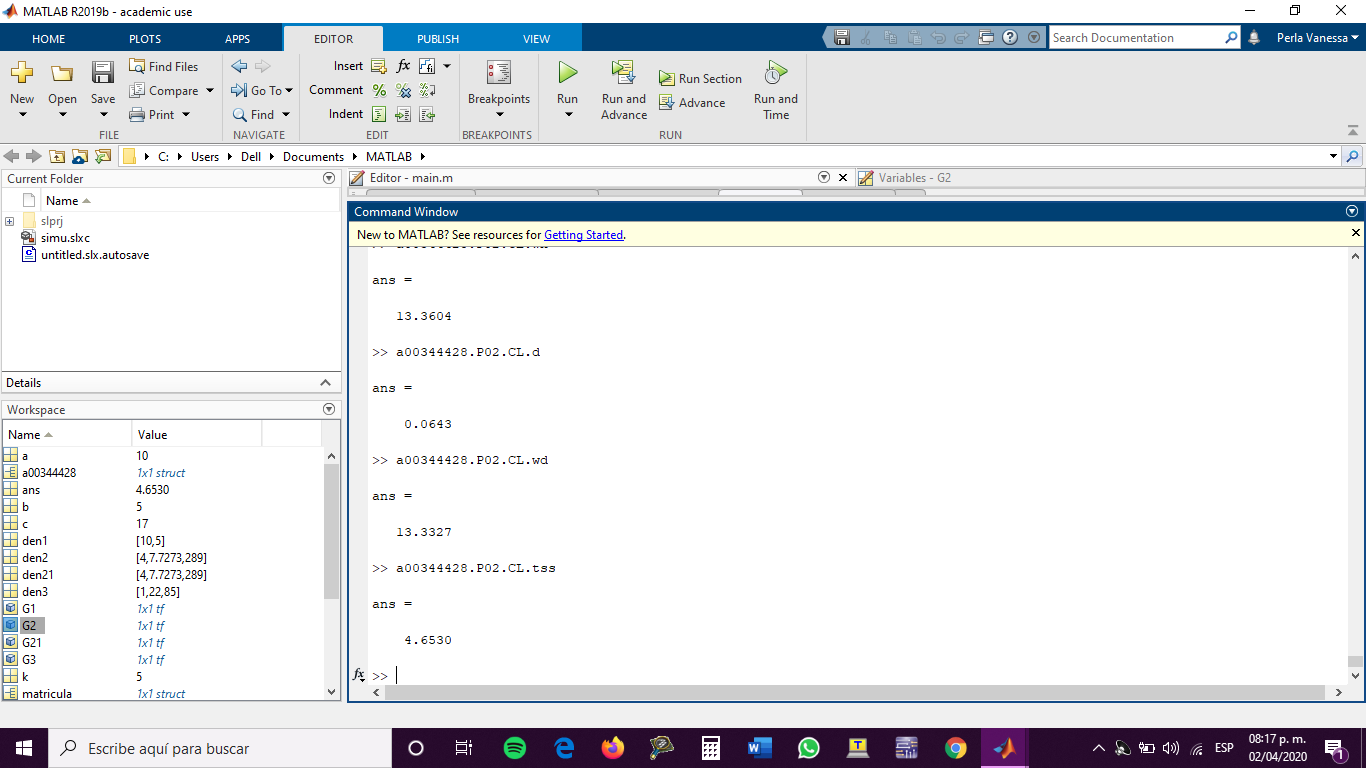
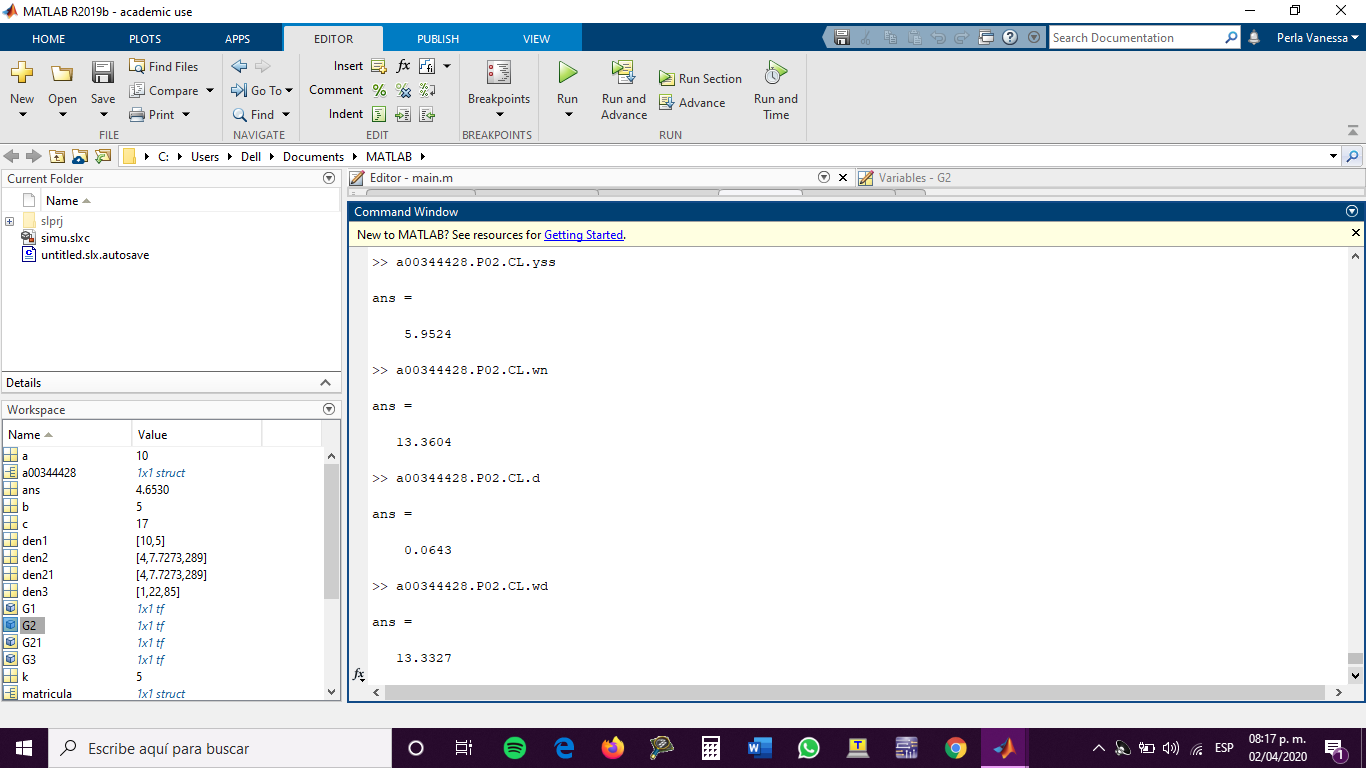
**Transfer Function.**



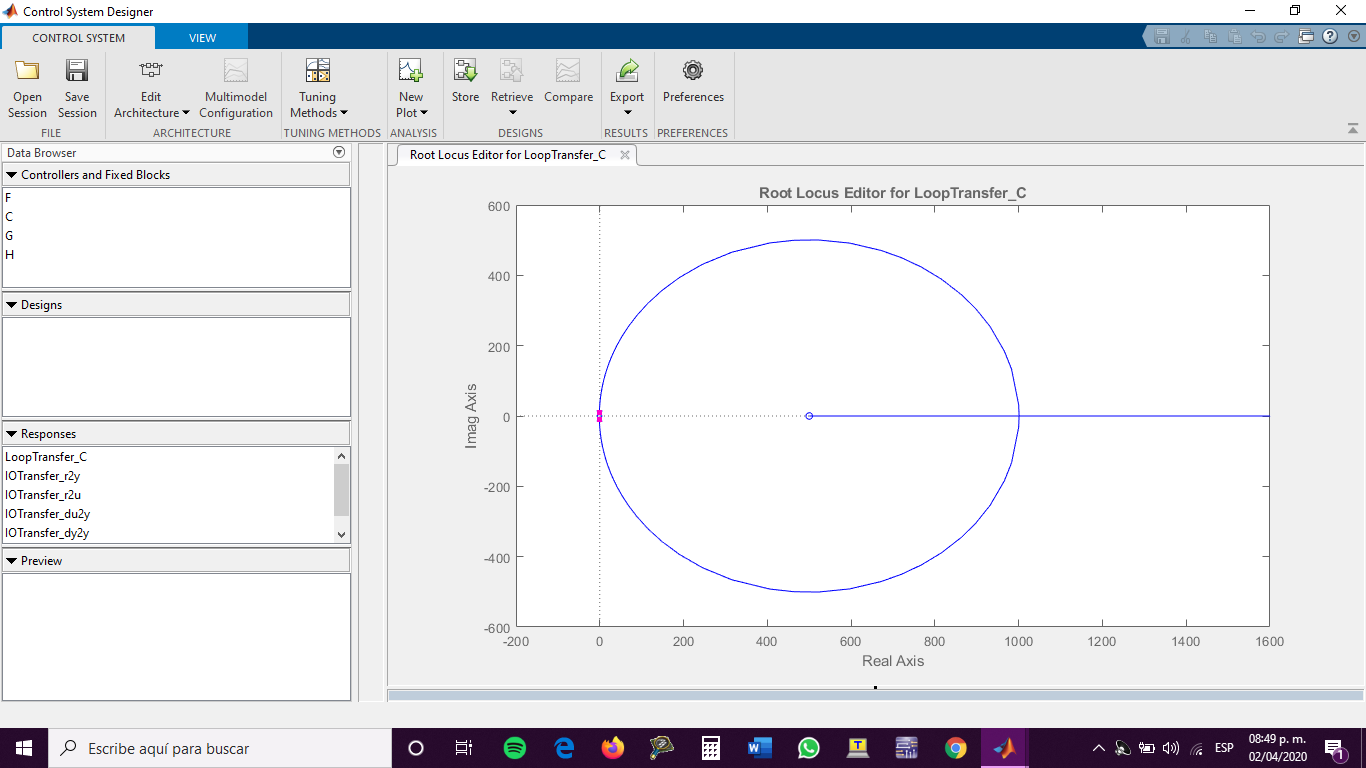
**Characterization of the system in Open Loop.**



**Characterization of the system in Open Loop.**

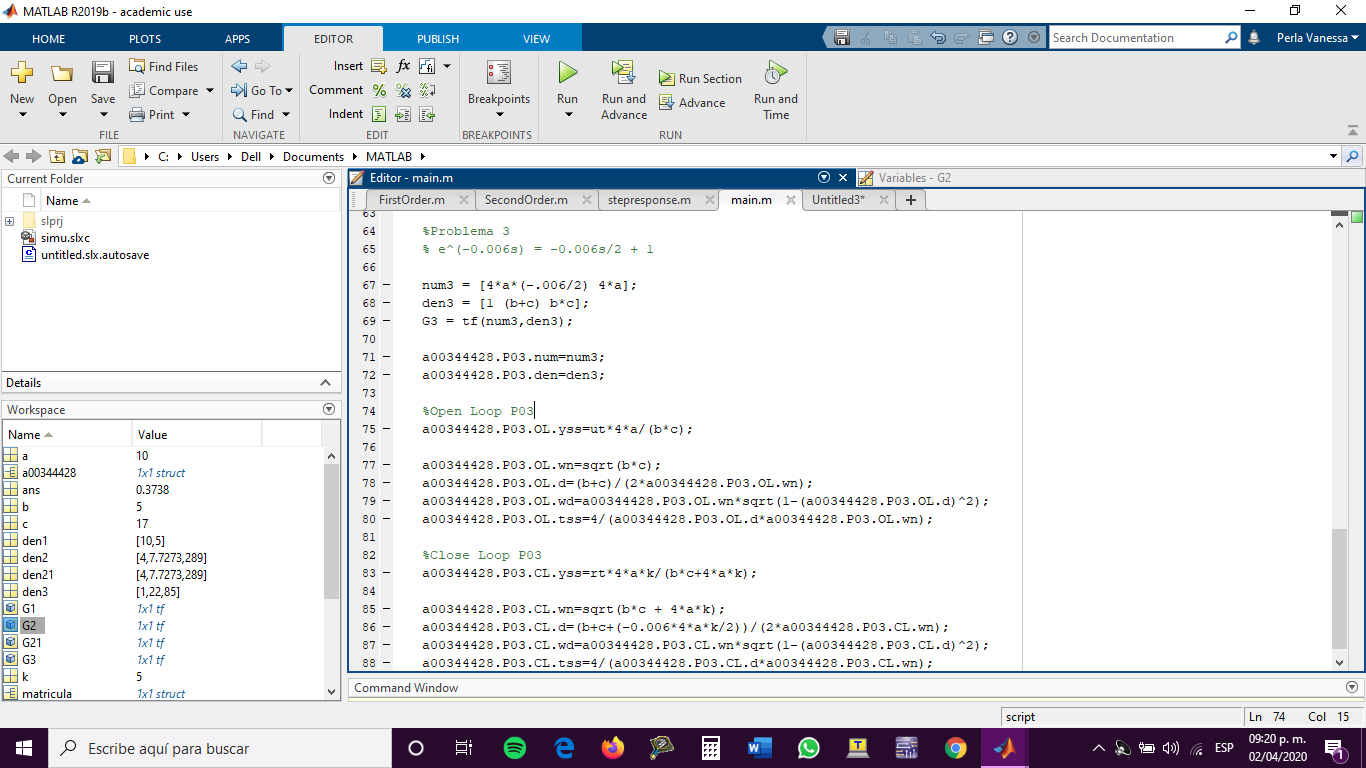


**Gain range**

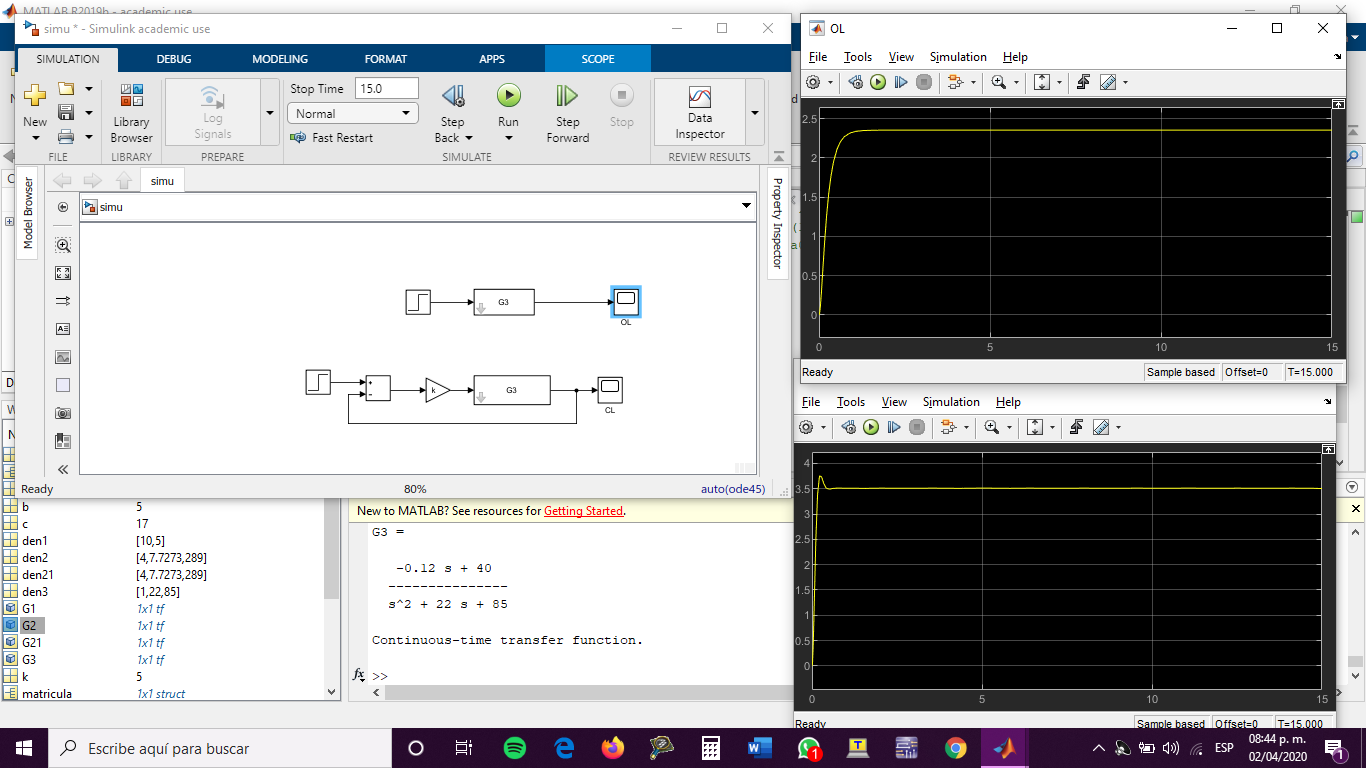


**System 3.**

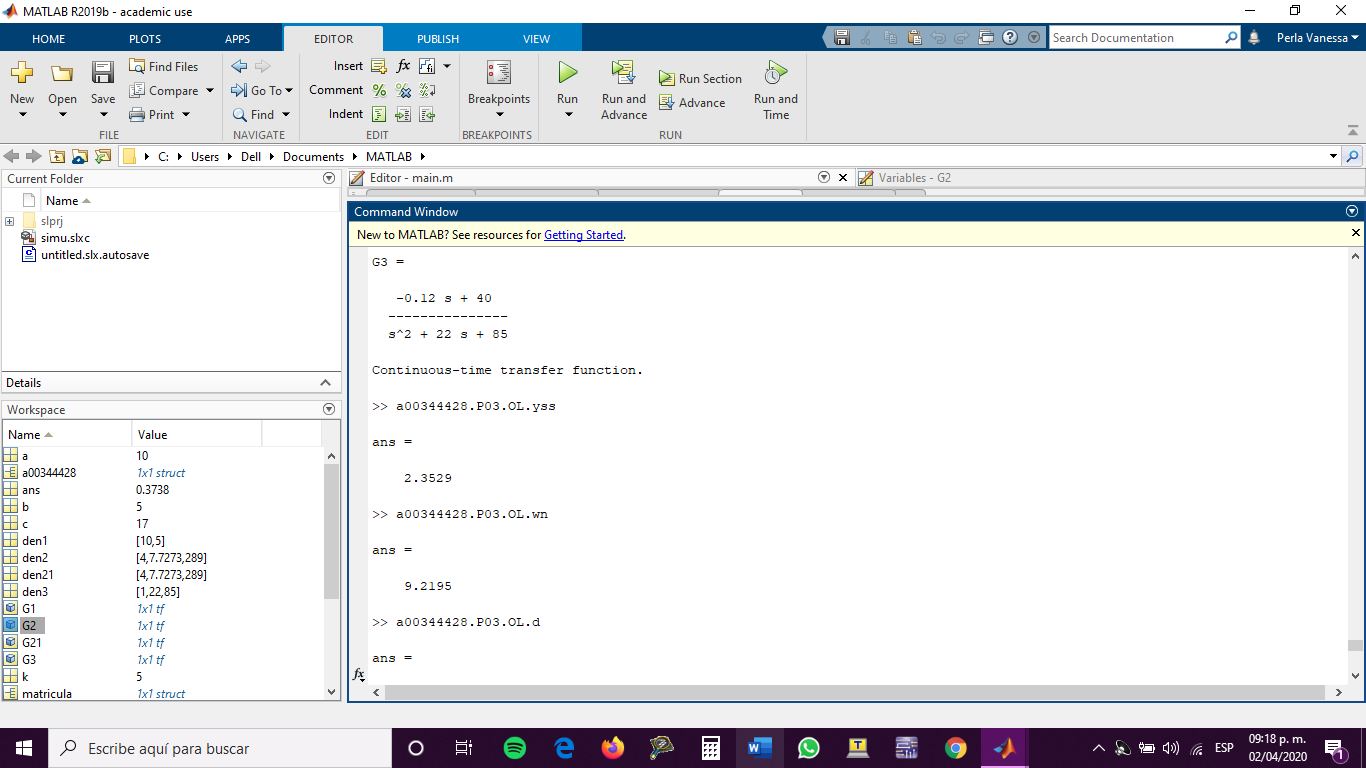
**Code.**



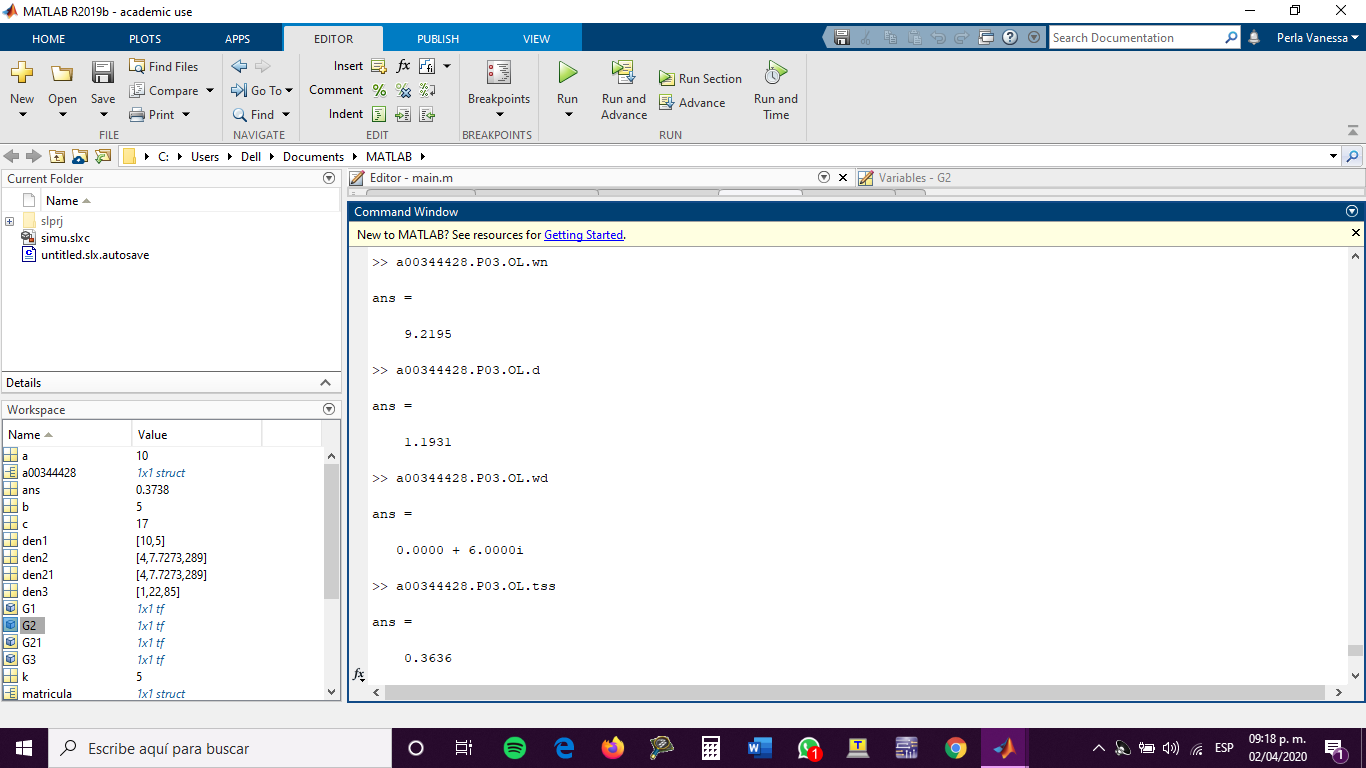
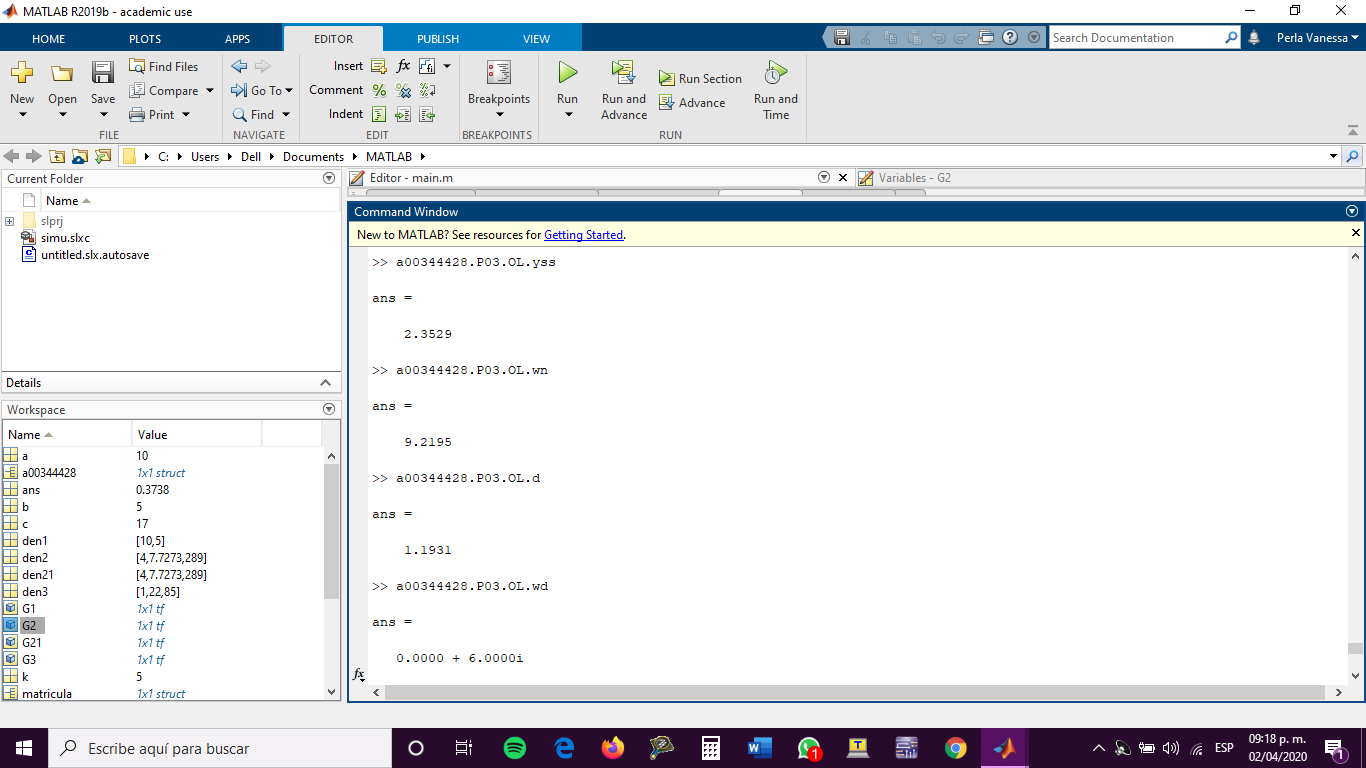
**Simulink.**



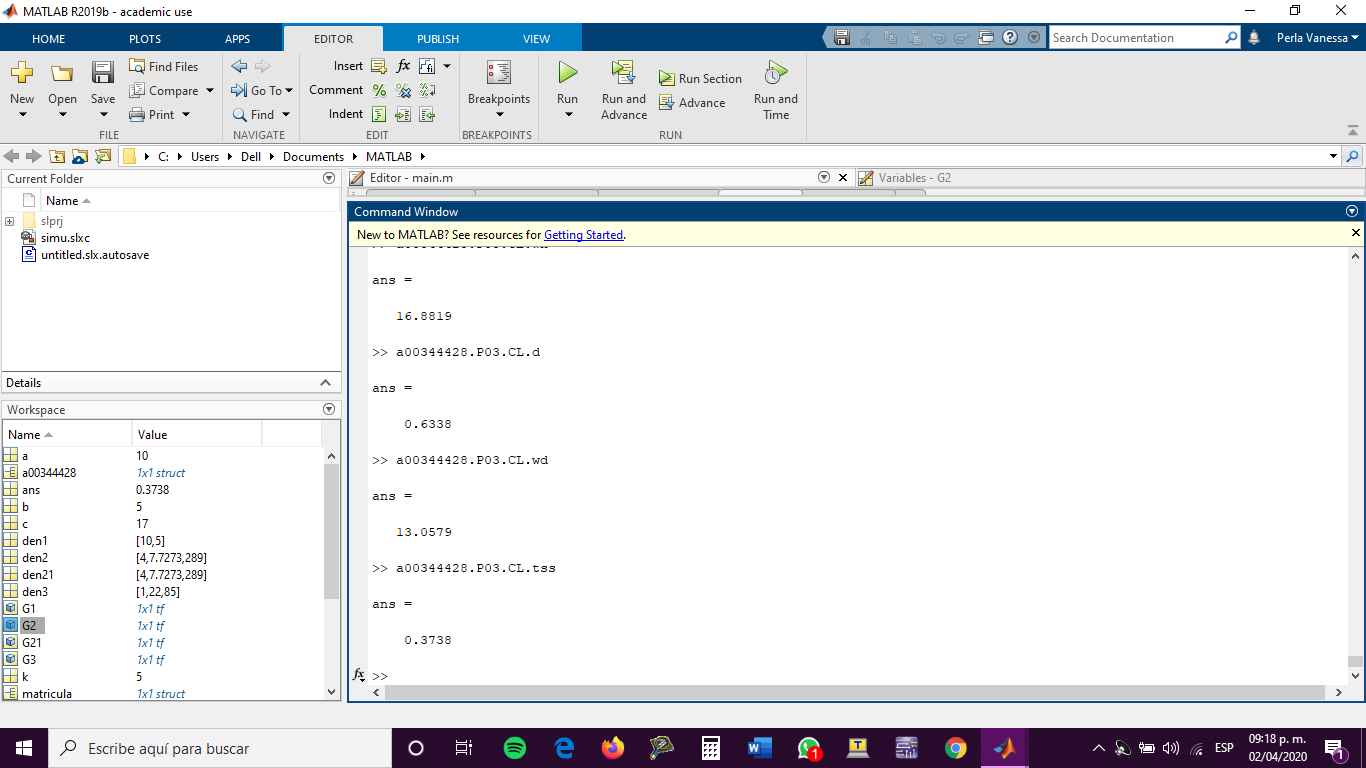
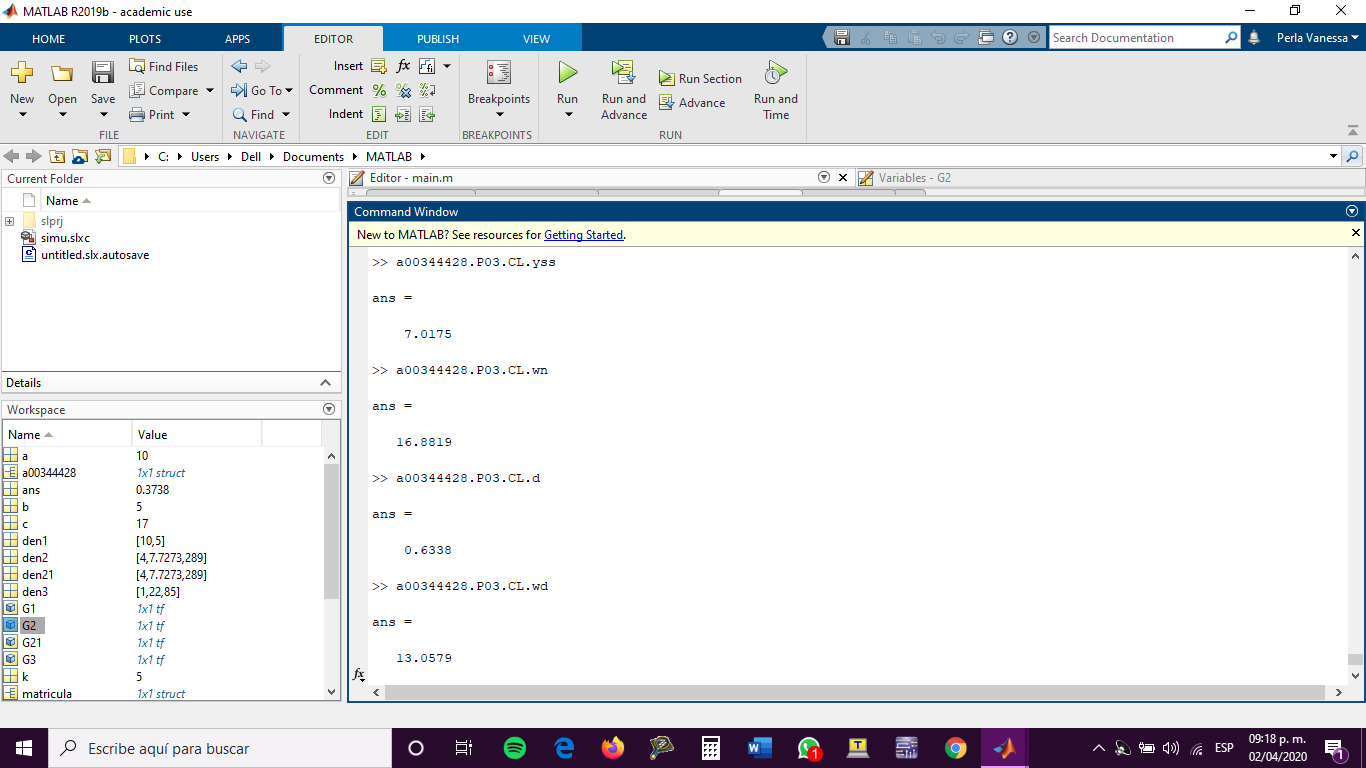
**Transfer Function:**



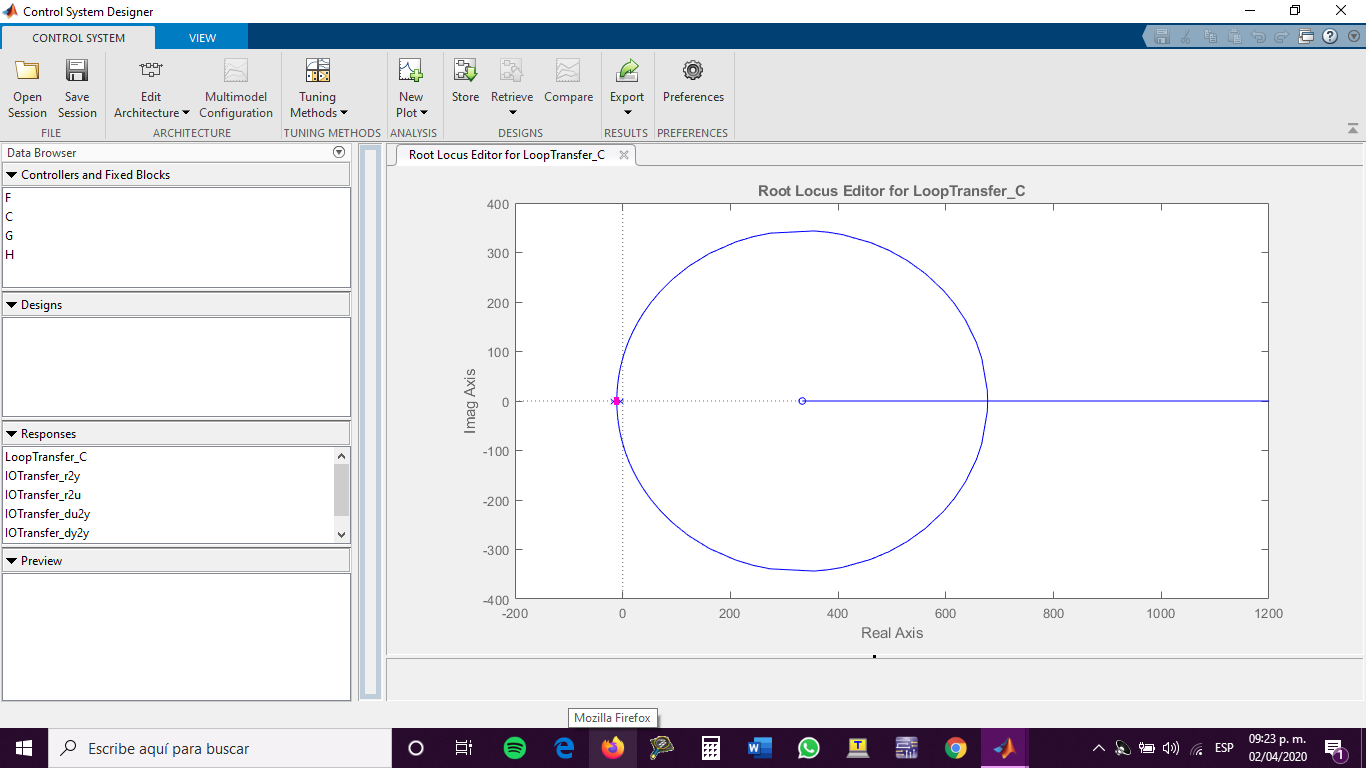
**Characterization of the system in Open Loop.**



**Characterization of the system in Close Loop**

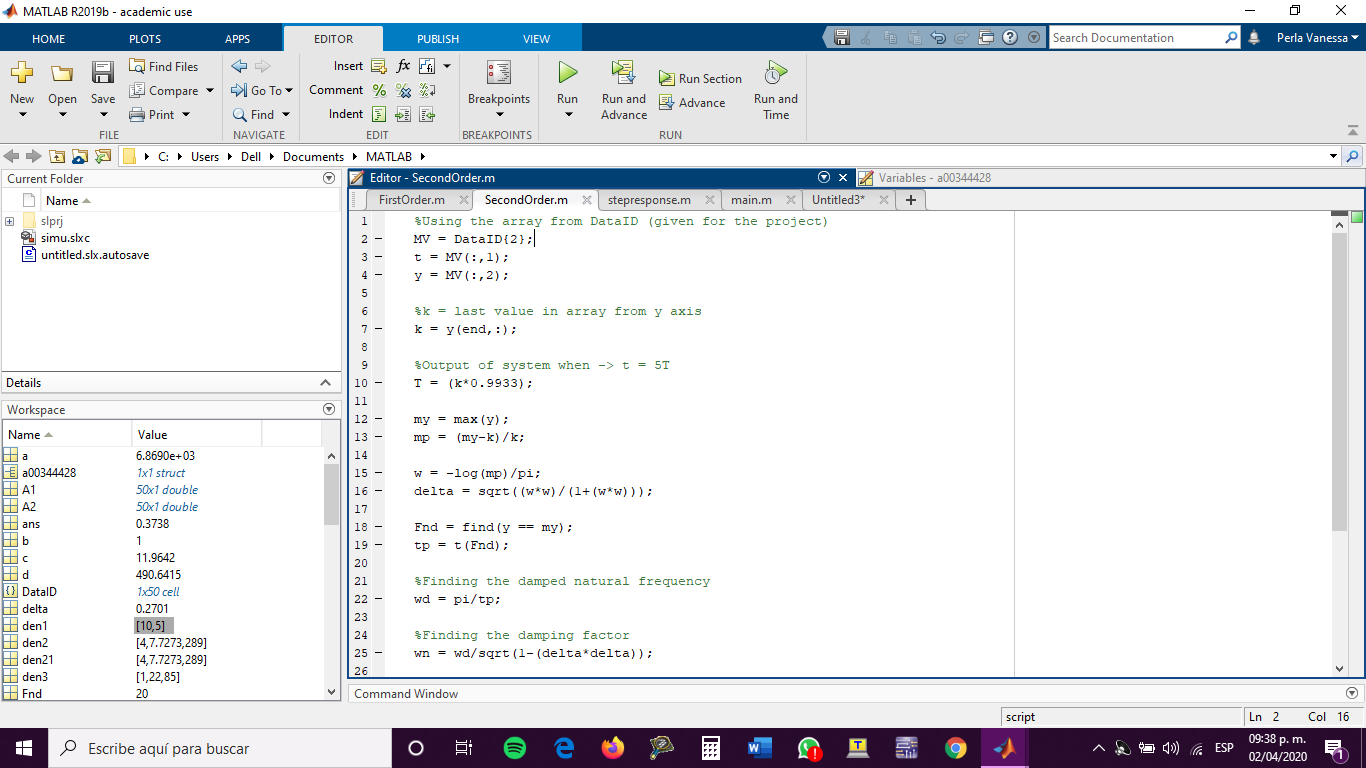


**Gain range.**

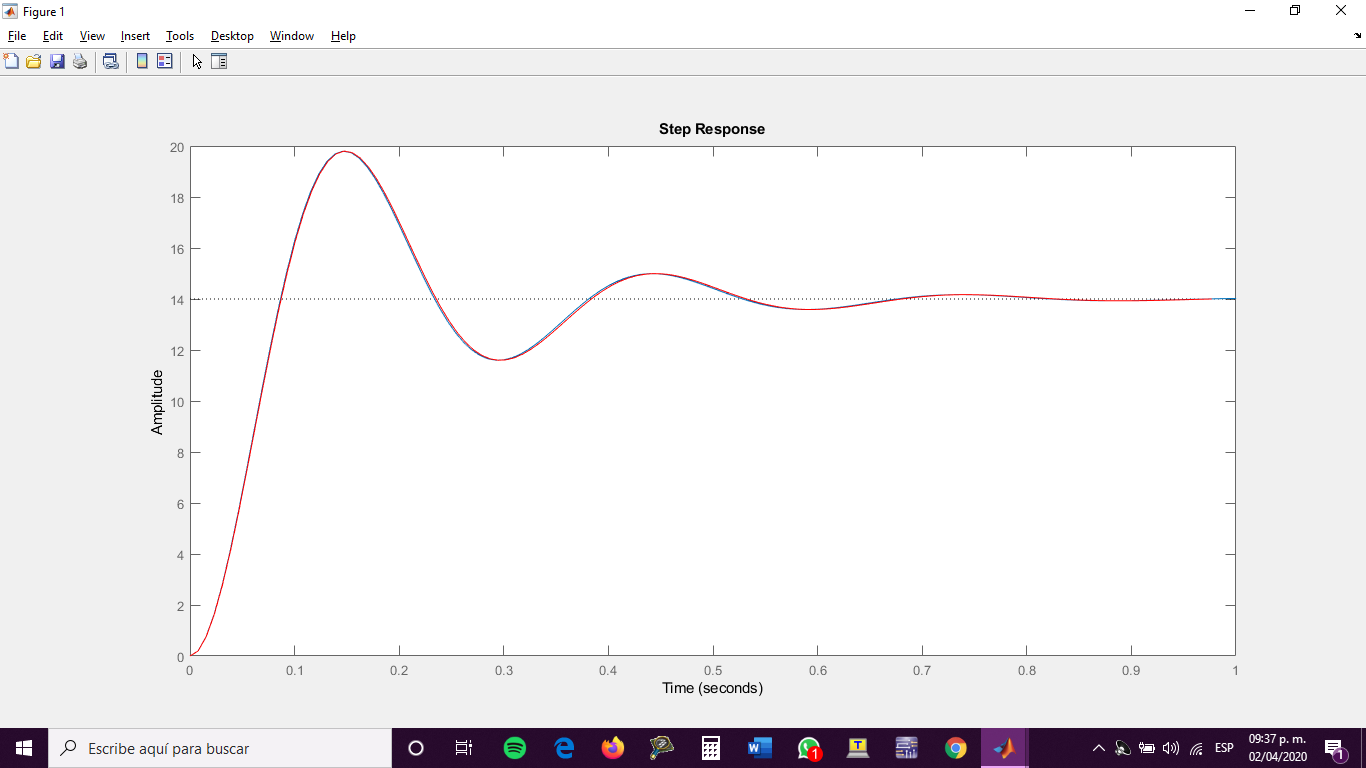


**System 4**

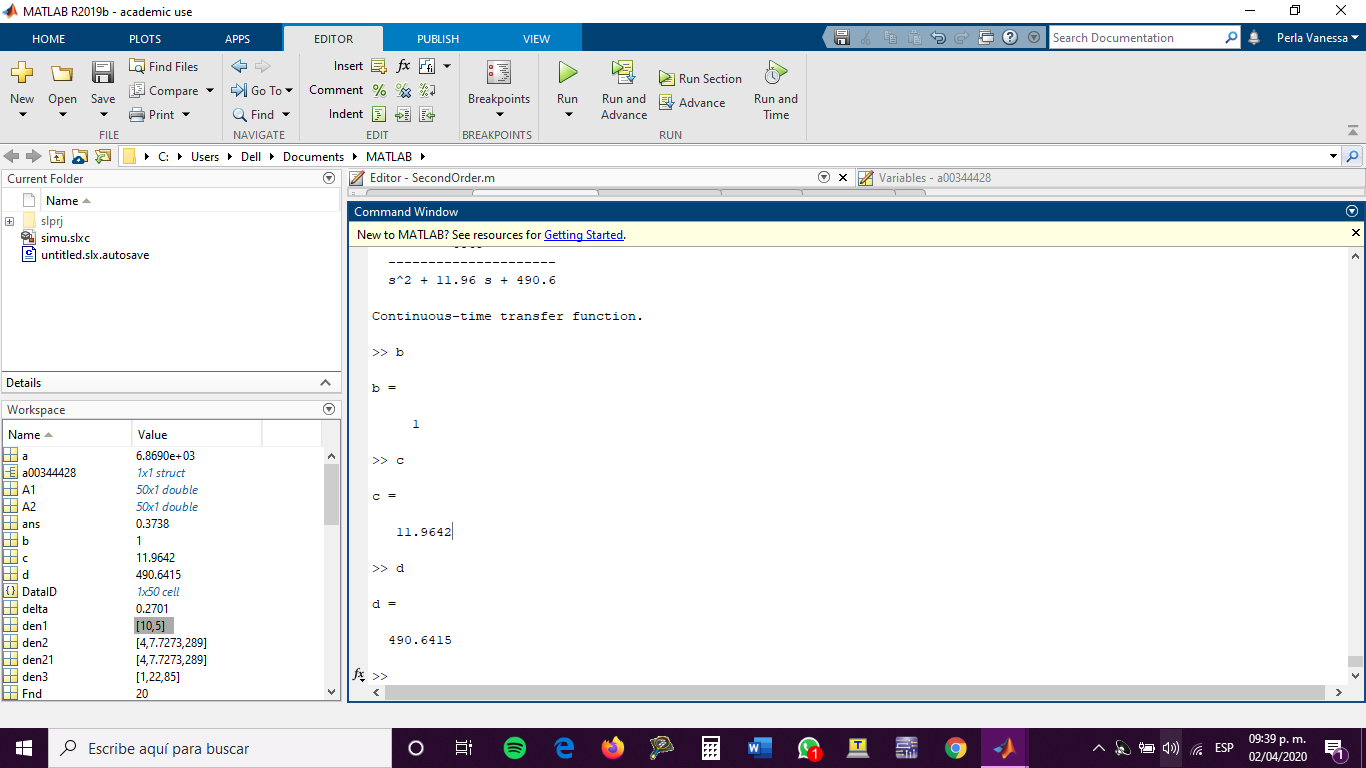
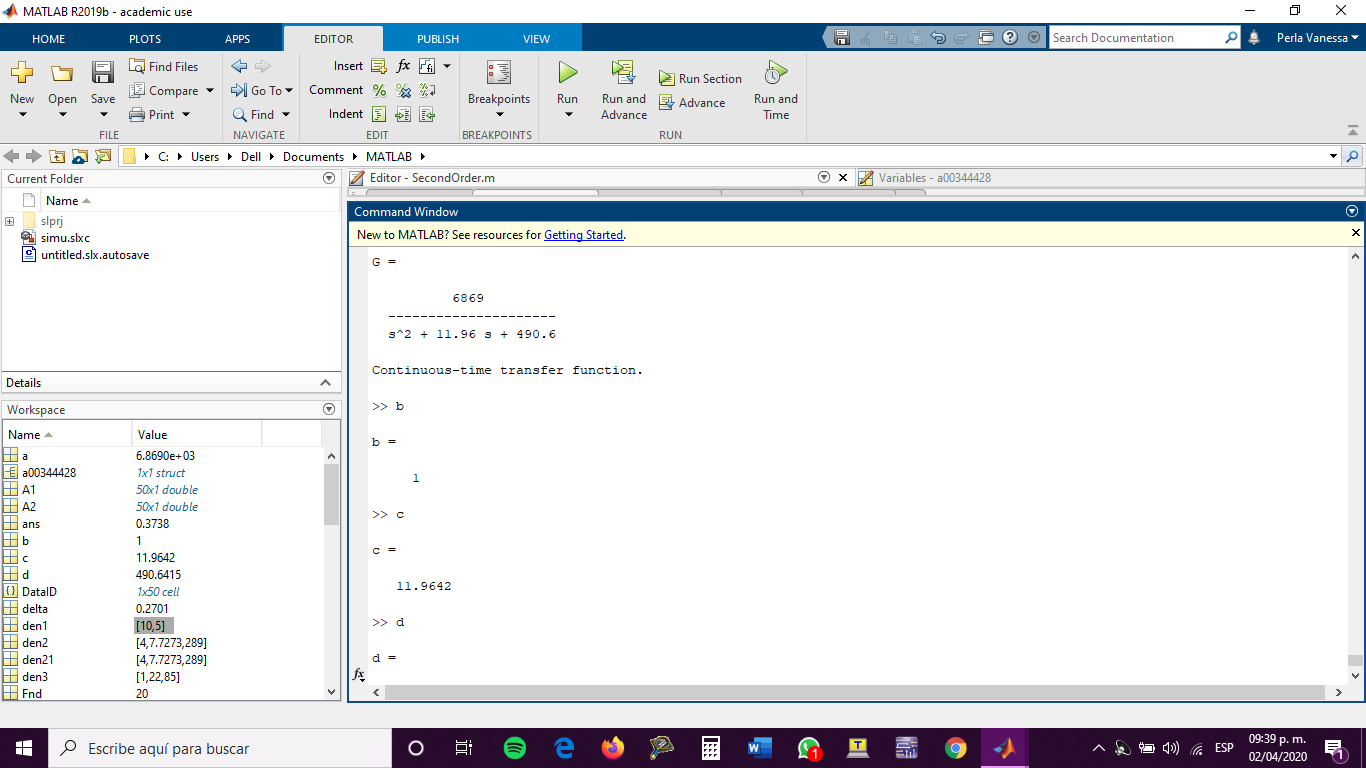
**Code for identification Second Order.**



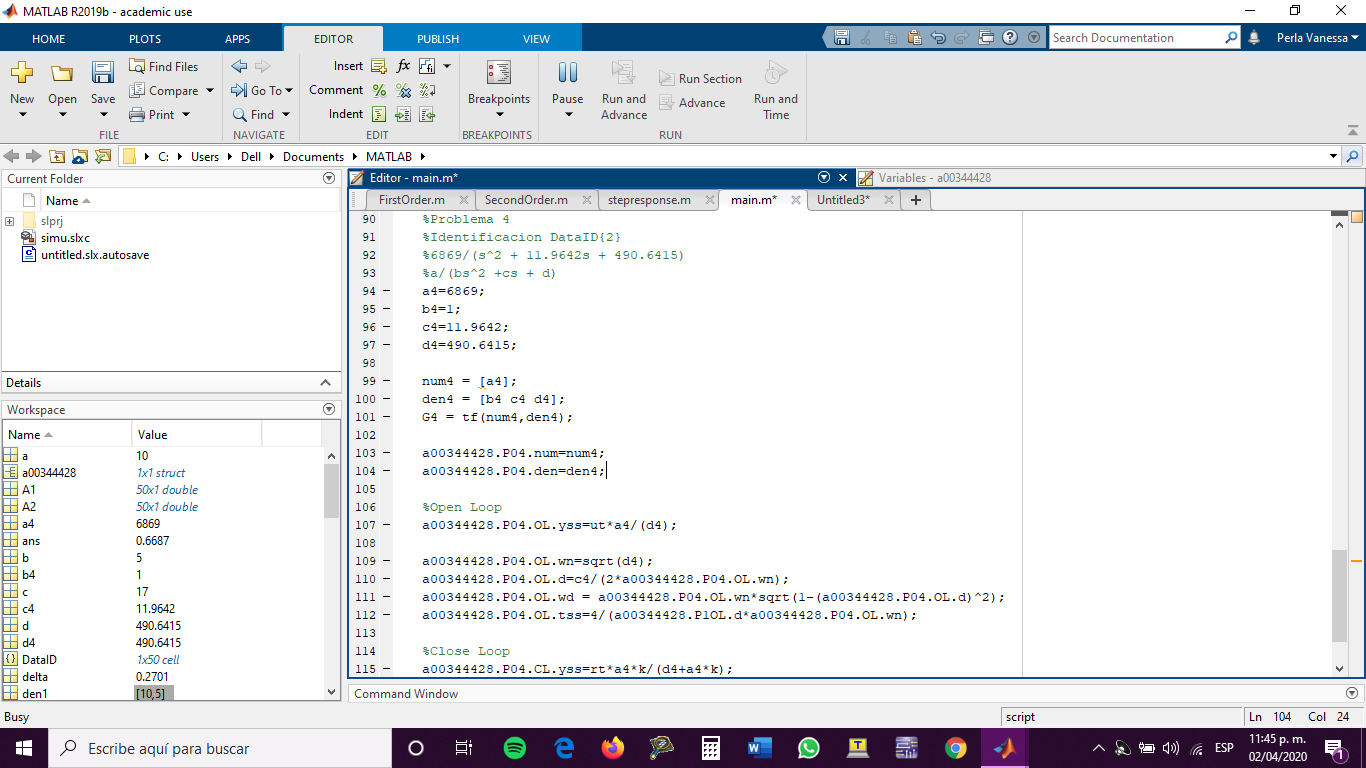
**Graph from the result of the identification.**

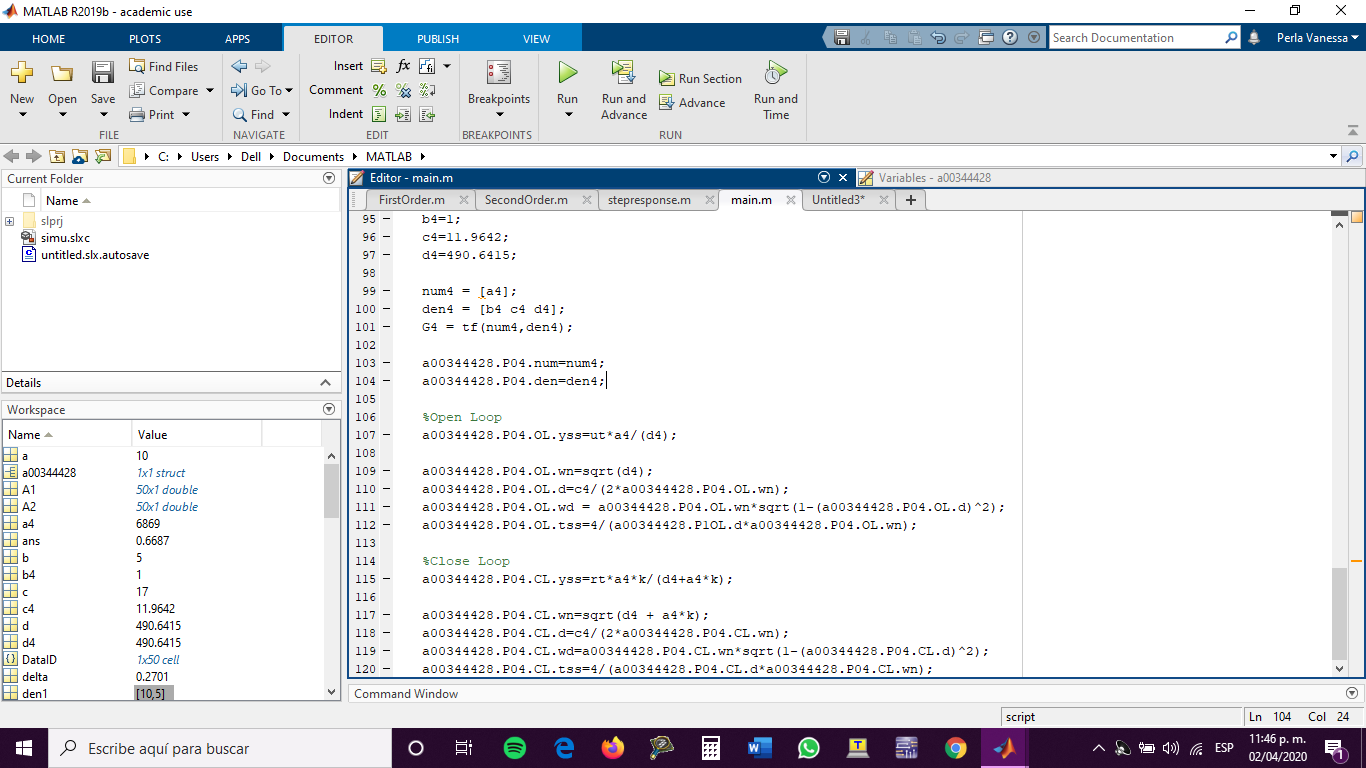


**Transfer function and values.**

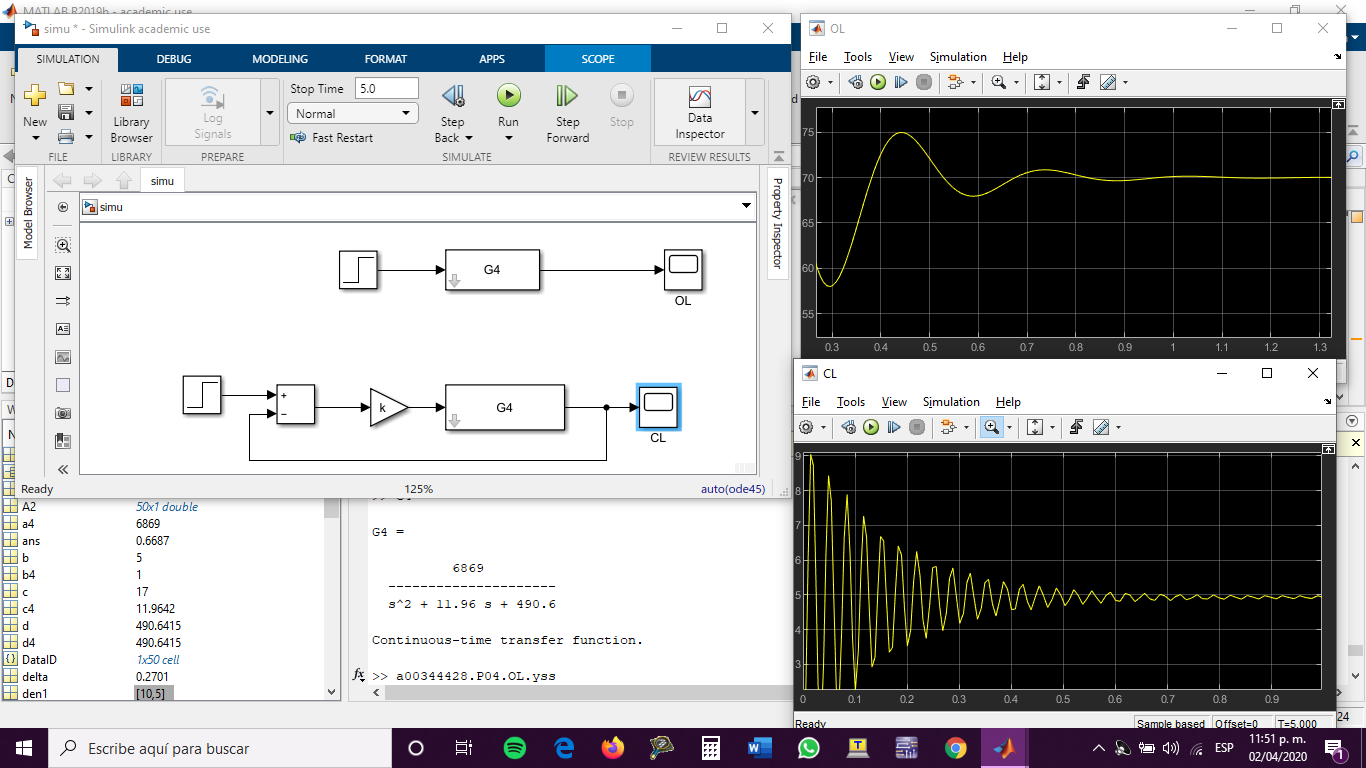


**Code:**

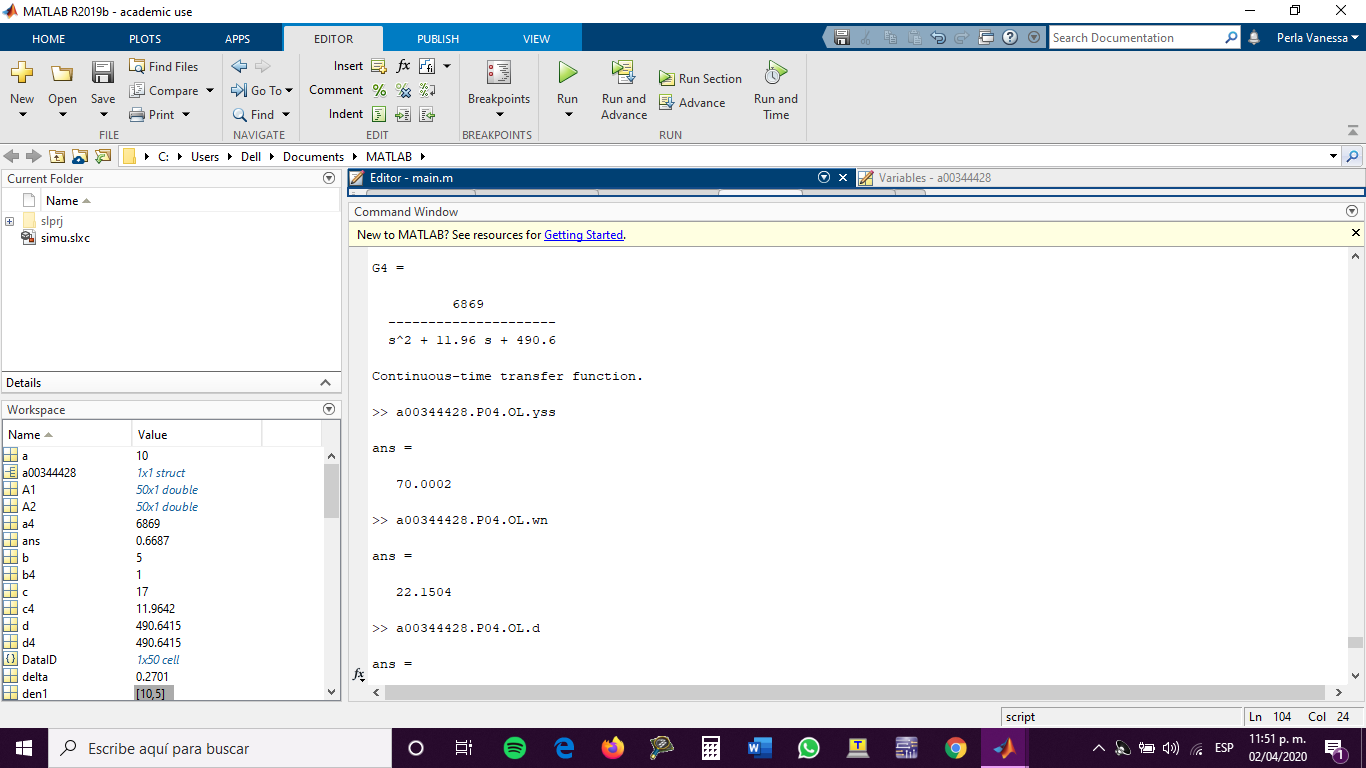




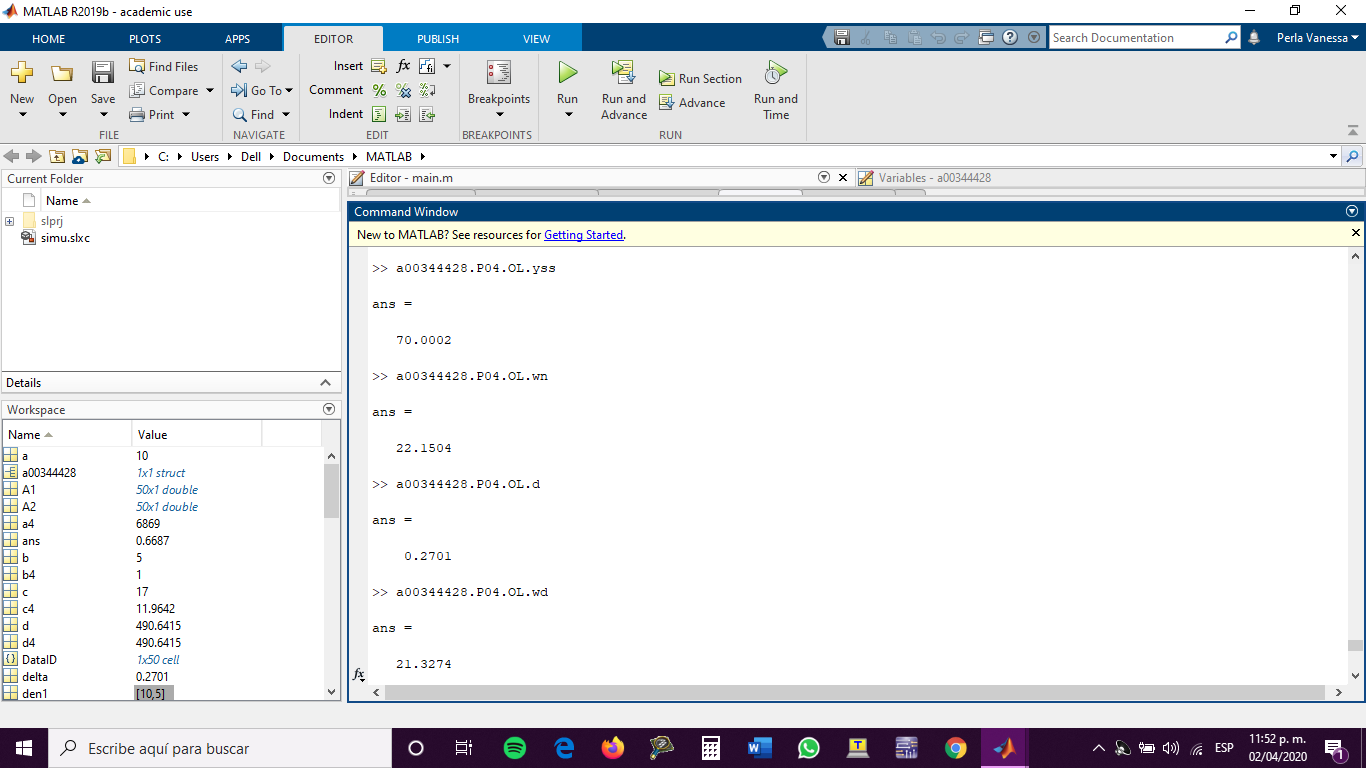
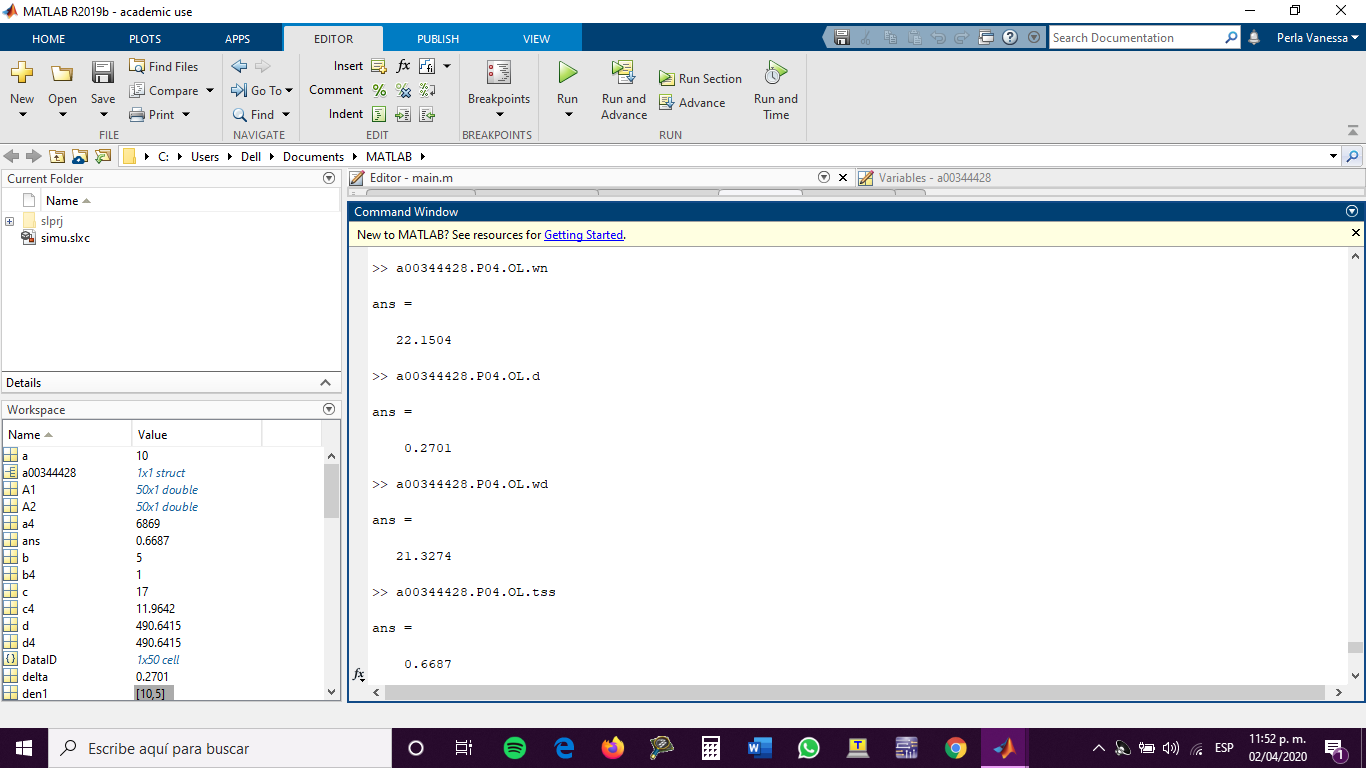
**Simulink.**



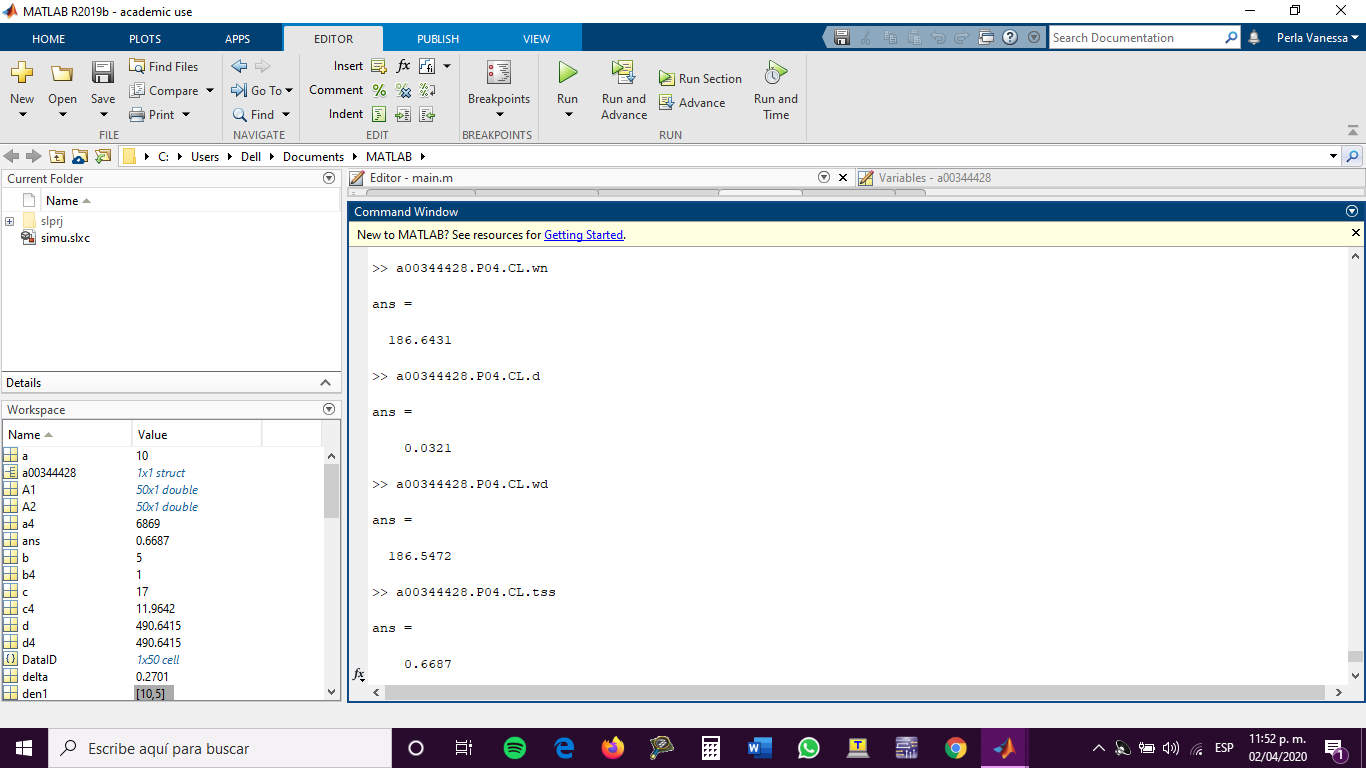
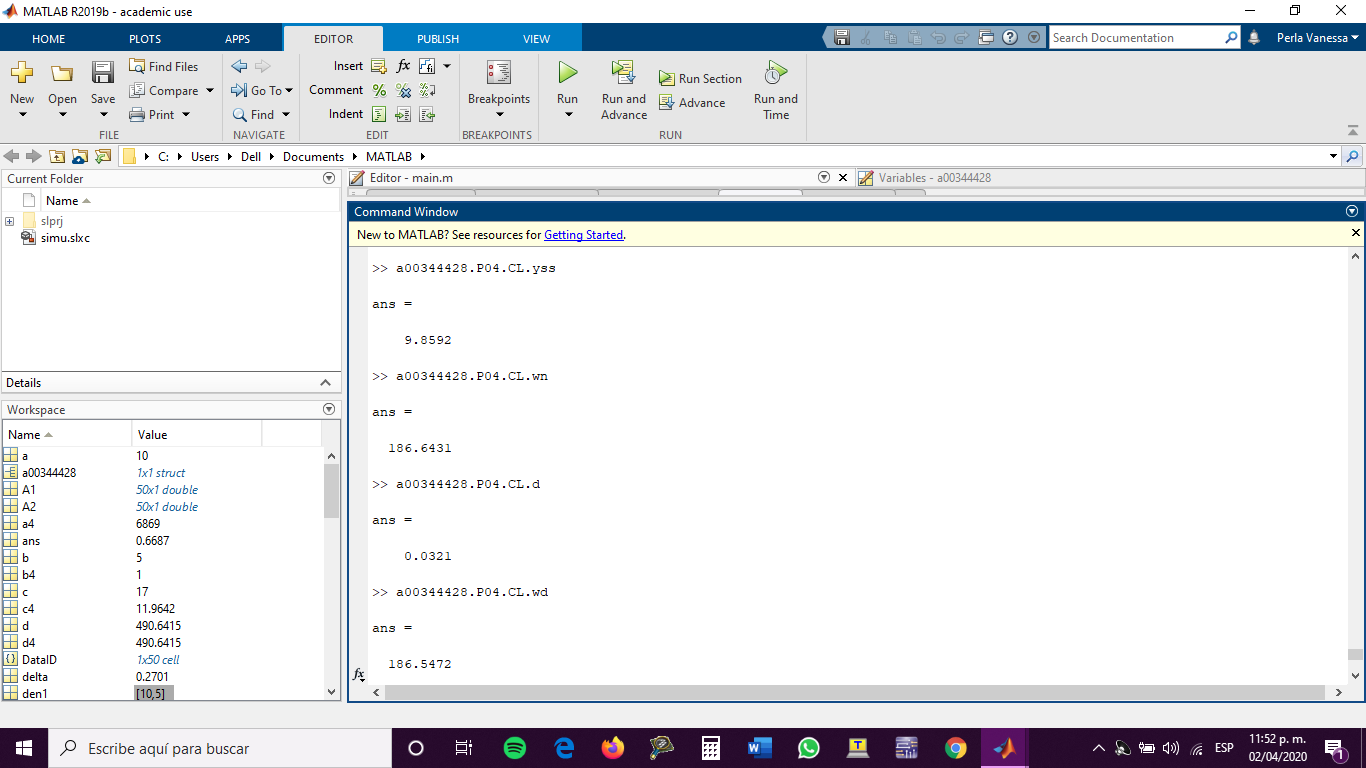
**Transfer function.**



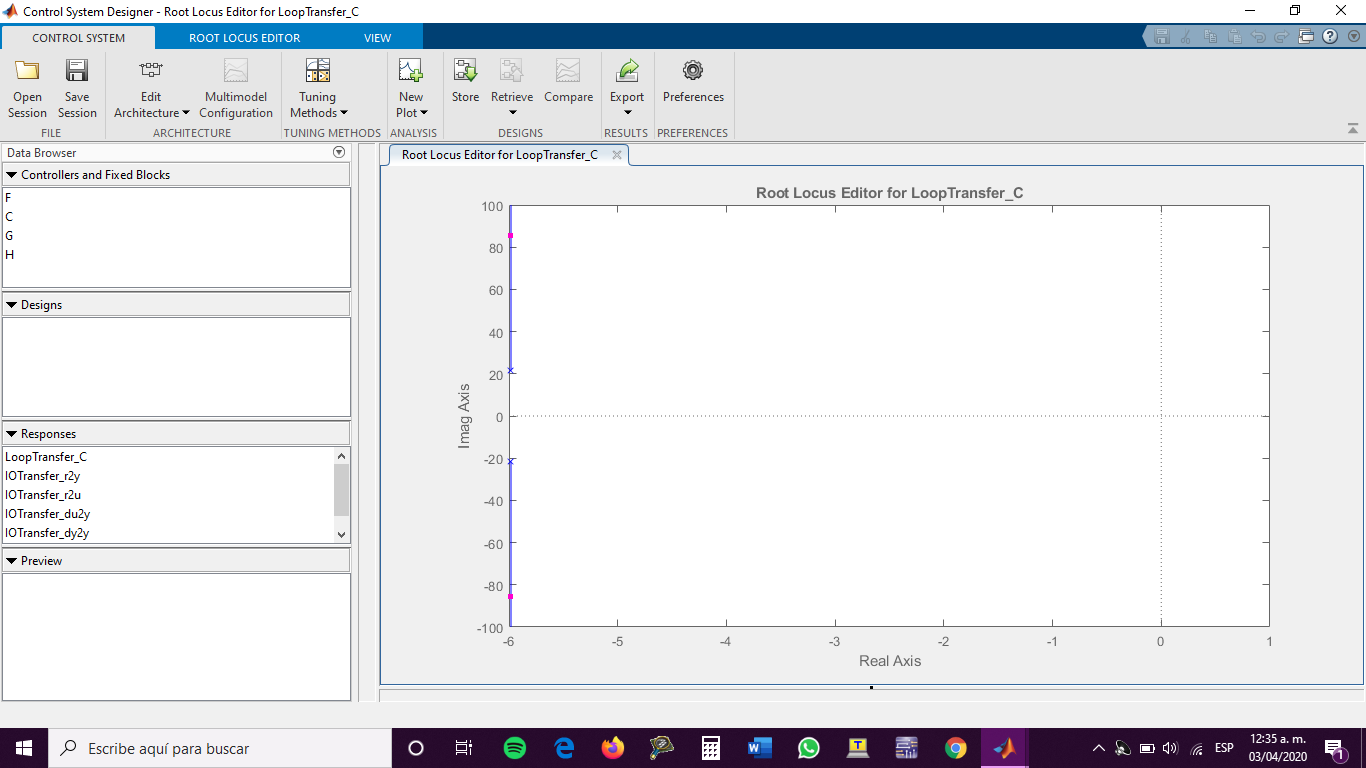
**Characterization of the system in Open Loop.**

**Characterization of the system in Close Loop.**



**Gain range.**



**System 5**

**General:**

