

Создание модели simulink

Возможные ошибки

Отсутствует powergui

- Ошибки ссылаются на все элементы из библиотеки SimPowerSystems, присутствующие на схеме

❌ Error in '[laba_2_1/Diode](#)': Initialization commands cannot be evaluated.

- The diagram must contain a powergui block. The block must be named powergui and should be located at the highest level of your diagram where SimPowerSystems blocks are found.

Component: Simulink | Category: Block error

❌ Error in '[laba_2_1/Diode1](#)': Initialization commands cannot be evaluated.

- The diagram must contain a powergui block. The block must be named powergui and should be located at the highest level of your diagram where SimPowerSystems blocks are found.

Component: Simulink | Category: Block error

❌ Error in '[laba_2_1/Diode2](#)': Initialization commands cannot be evaluated.

- The diagram must contain a powergui block. The block must be named powergui and should be located at the highest level of your diagram where SimPowerSystems blocks are found.

Component: Simulink | Category: Block error

❌ Error in '[laba_2_1/Diode3](#)': Initialization commands cannot be evaluated.

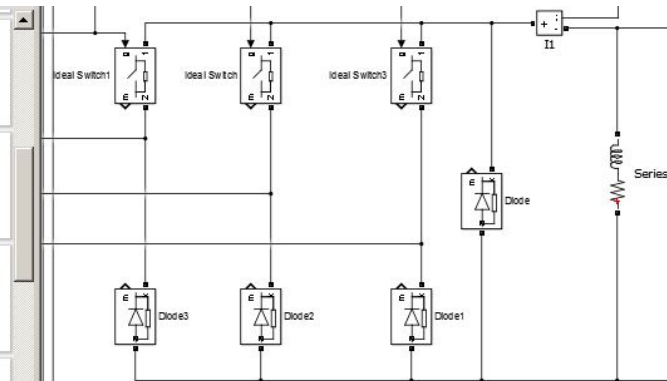
- The diagram must contain a powergui block. The block must be named powergui and should be located at the highest level of your diagram where SimPowerSystems blocks are found.

Component: Simulink | Category: Block error

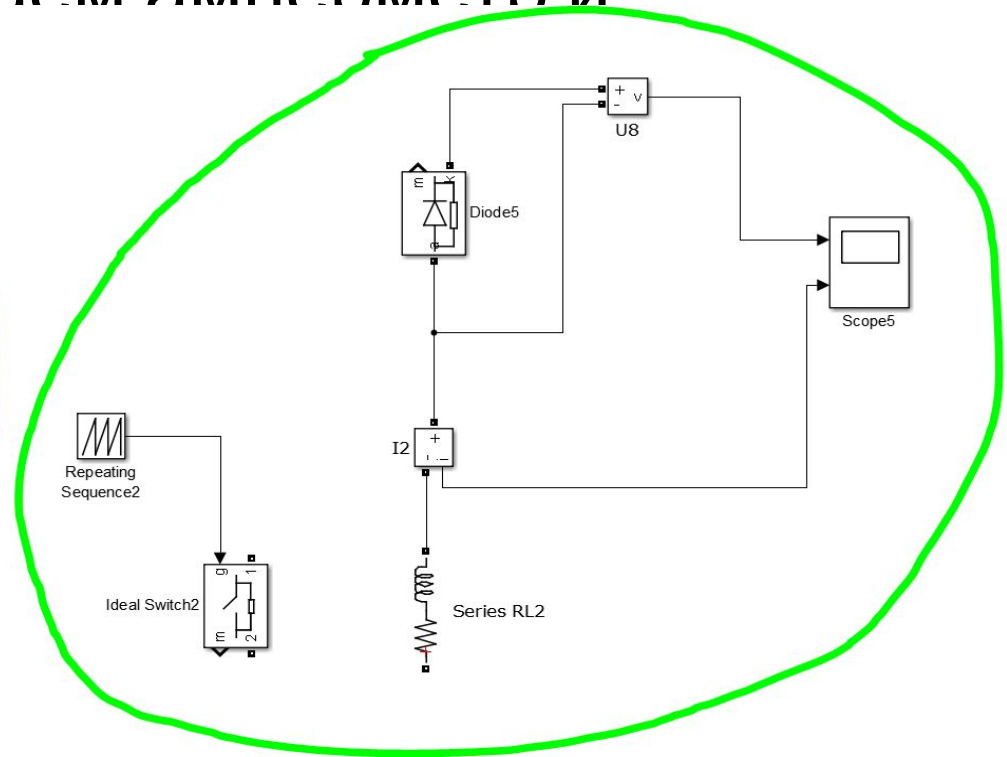
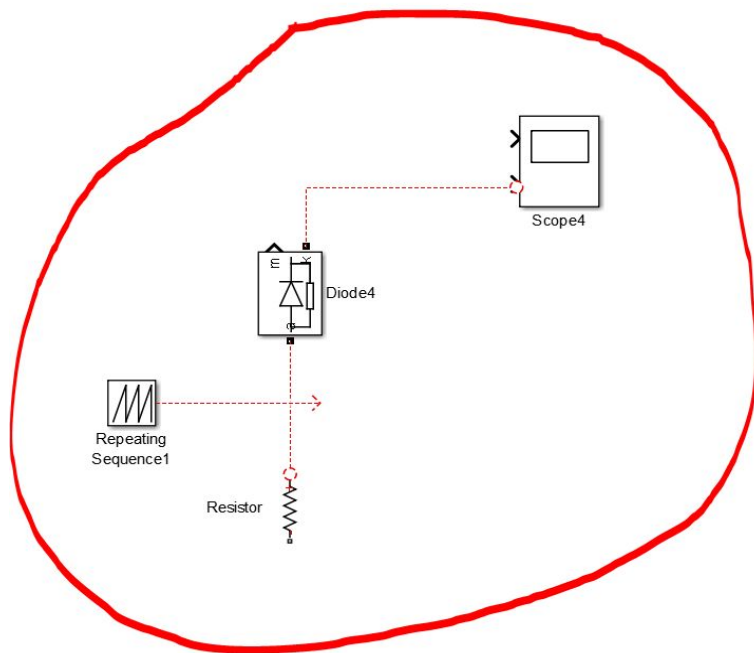
❌ Error in '[laba_2_1/I1](#)': Initialization commands cannot be evaluated.

- The diagram must contain a powergui block. The block must be named powergui and should be located at the highest level of your diagram where SimPowerSystems blocks are found.

Component: Simulink | Category: Block error

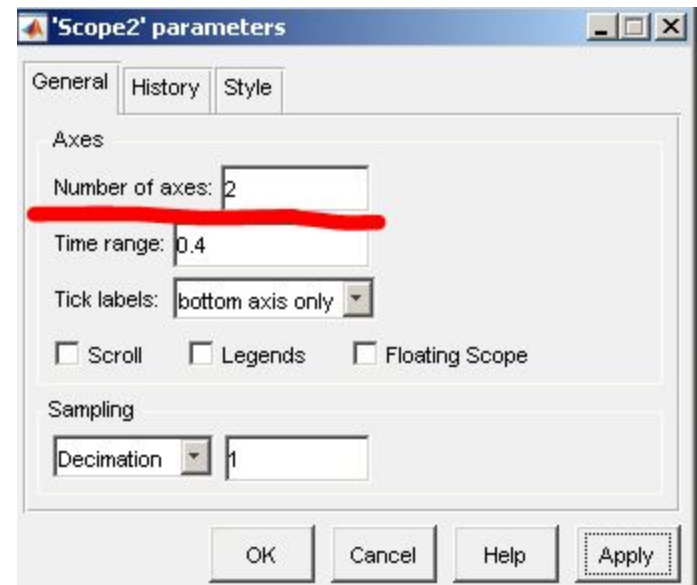
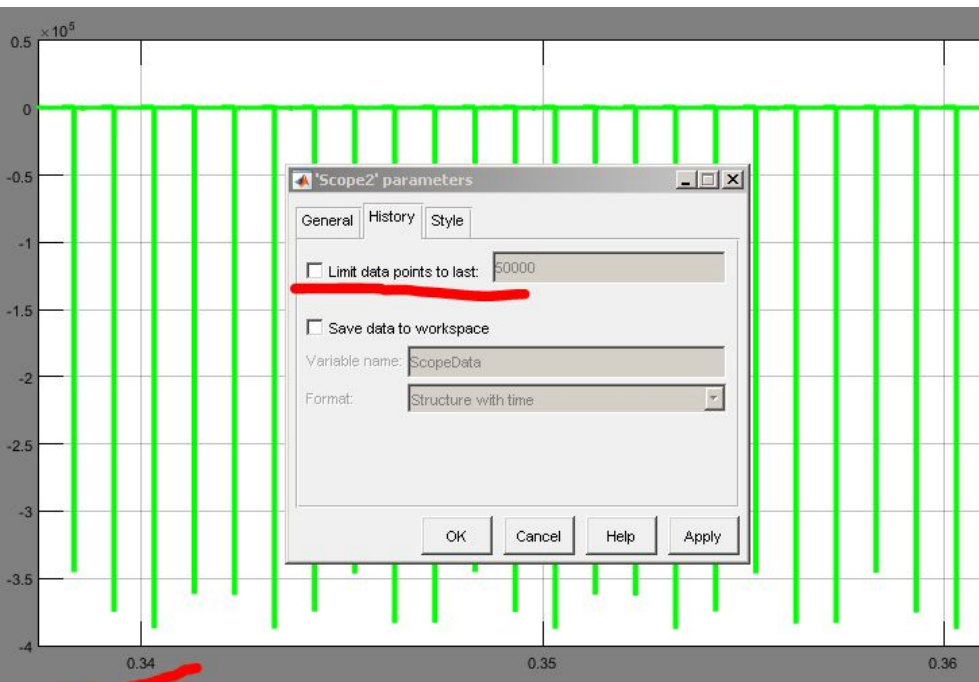


- Используем правильные элементы
- Соединения из Simulink и SimPowerSystems не соединяются
- Напряжения и токи на силовых соединениях смотрим амперметром и вольтметром
- Правильно включаем амперметр и



Настройка Scope

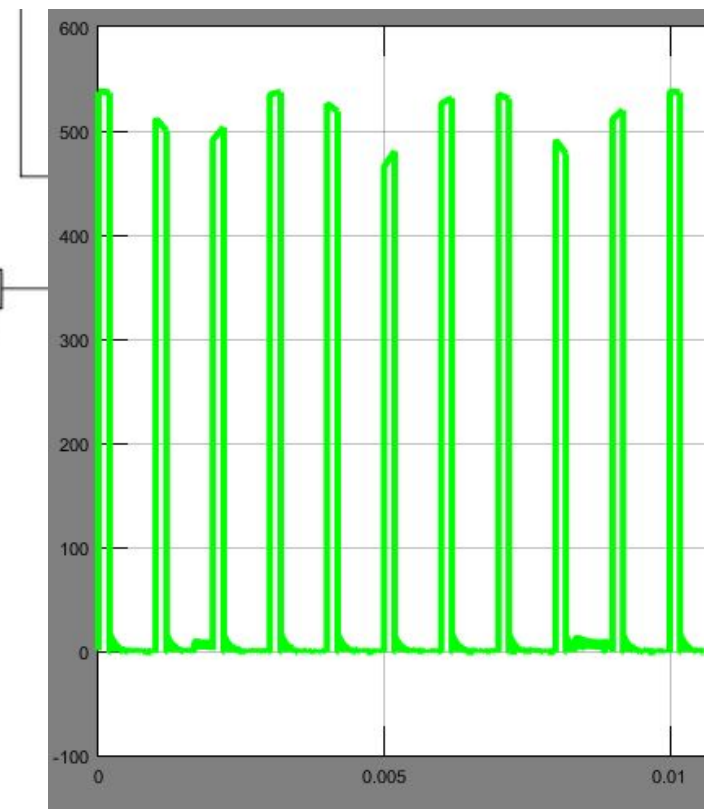
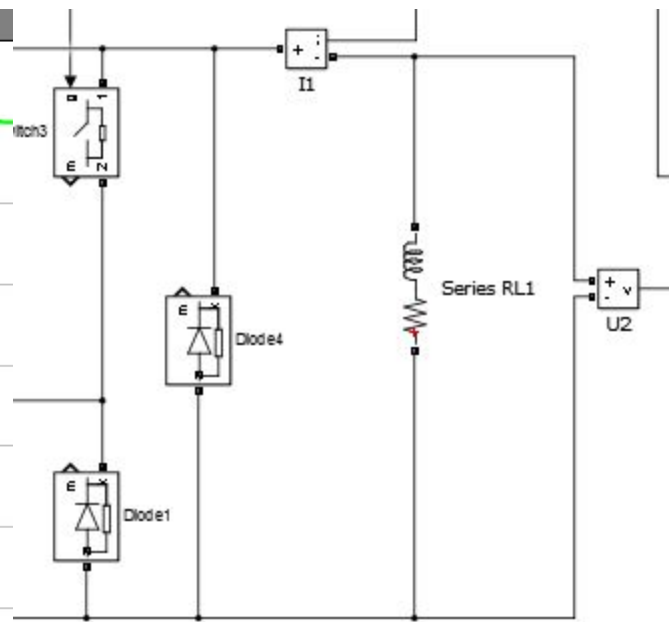
- Убираем ограничение по количеству записываемых точек
- Число осей – число входов



Выбросы на нагрузке

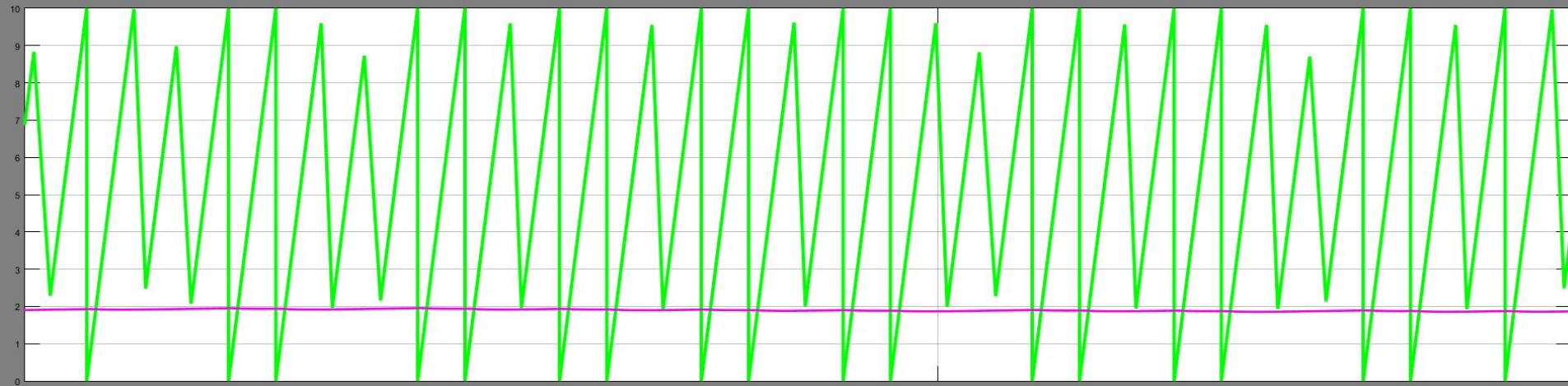
-Замедляют моделирование!

-Устраняются диодом параллельно нагрузке

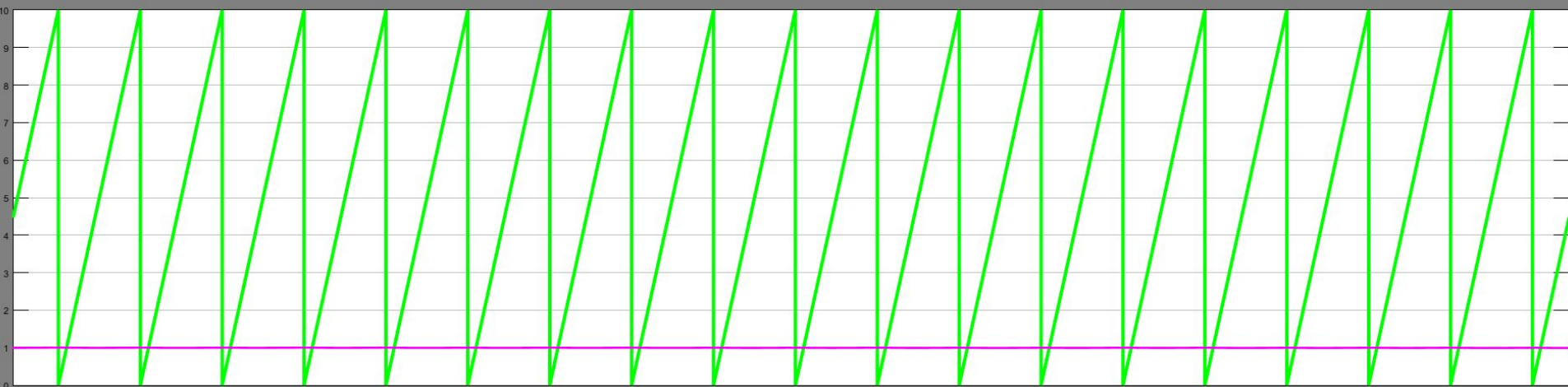


Максимальный Шаг моделирования!

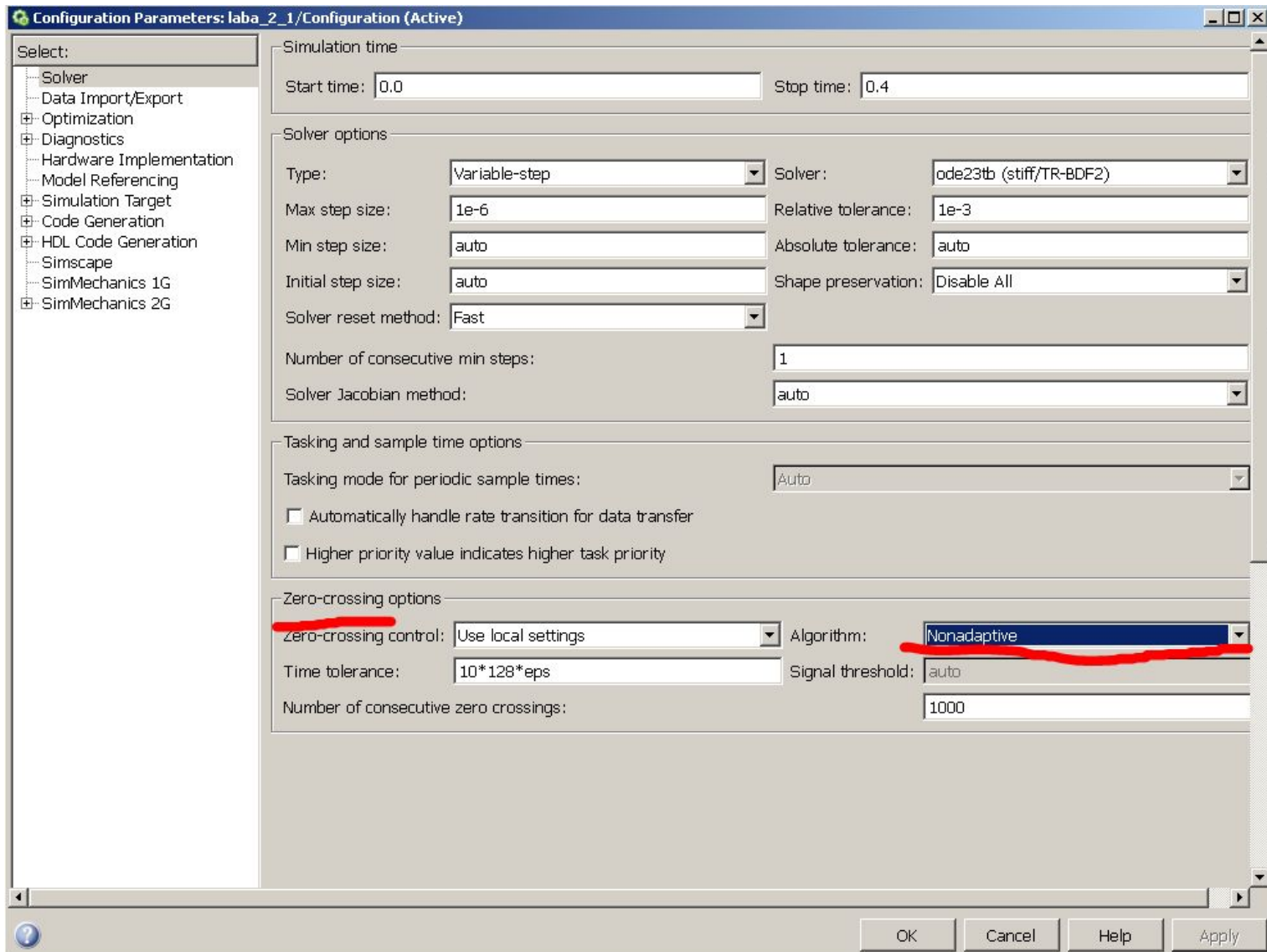
- Неправильная пила:



- Правильная пила:



В тексте ошибки присутствует “Zero-crossing”



Настройка пилы

- Сверху – время
- Снизу - напряжение

