

**Source:** 2020PHYS201/KBe20phys250retCapacitorsLab.md

#ret #disorganized #incomplete

## 1 | Charging Capacitors

### 1.1 | Voltage over Time

### 1.2 | Charge Stored

## 2 | Time Constant with Various Components

Most of the analysis for data collected as a class was done on the “charge rate factor” ( $t_{\text{time}}/RC$ ) of each circuit, defined as:

$$\frac{t}{RC}$$

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