

Abstract Submitted
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A visualization of the charging and discharging processes of a capacitor KARLA CARMONA, SERGIO FLORES, L. ALFARO, ANGEL HERNANDEZ, JUAN E. CHAVEZ — Many instructors try students understand physical concepts through mathematical representations. In most of the cases, these representations are: the analytical and the graphical representations. These instructors believe that the approach based on equations and two-dimension graphics is enough didactic elements to develop a meaningful understanding in the students. This time, we have developed a learning proposal based on computer animations of the charging a discharging processes of a capacitor. The design is achieved through the use of Power Point and the geometry software Cabri. We hope students understand somehow the parallel plates of a capacitor get electric charge.

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