Doofus Forgot to Change the Title

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1 Goals and Outcomes

The goal of this research is to use formal methods to create control systems that can switch between operating modes with a high assurance of correct construction. Modern control systems today often exist as hybrid control systems. Hybrid systems are those that have both continuous and discrete dynamics. Because of this, hybrid systems cannot be fully analyzed using only tools from continuous or discrete methods. Today, hybrid control systems are unable to completely verified.