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ABSTRACT OF THE DISCLOSURE

**TITLE OF INVENTION: METHOD AND APPARATUS FOR A LOAD
ADAPTIVE PAD DRIVER**

A load adaptive pad (201) driver for integrated circuits provides a substantially constant speed output at the pad (203) regardless of the load connected to the pad (203). A reference slope signal (207, 209), based on variables such as fabrication process, and operational voltage and temperature ranges and biased to give a substantially flat response, is compared (211, 213) to the signal output of a resistive-based pad driver circuit (205). When a transition between output signal levels provided by the pad driver circuit (205) is slower than the reference signal slope, an auxiliary driver circuit (P2, N2) is used to compensate. Electromagnetic interference is also reduced via said load adaptive pad driver (201).

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