Subject: Parameter shifts
Posted by Wayne Parham on Thu, 12 Jan 2006 18:21:47 GMT
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There are changes in electro-mechanical parameters even in a single device at different operating levels. And there is a shift over time. I prefer to use alignments that are relatively insensitive to these shifts, basically systems with a wide tolerance. You can model a system at various operating points to see how it will act, and then if industrious enough, measure a physical model at several power levels to see if it performs as expected. I think a system should be designed to allow for pretty wide shifts in driver parameters, because that's what it will encounter. A side benefit of this is that small tolerance changes in component production runs won't matter so much.