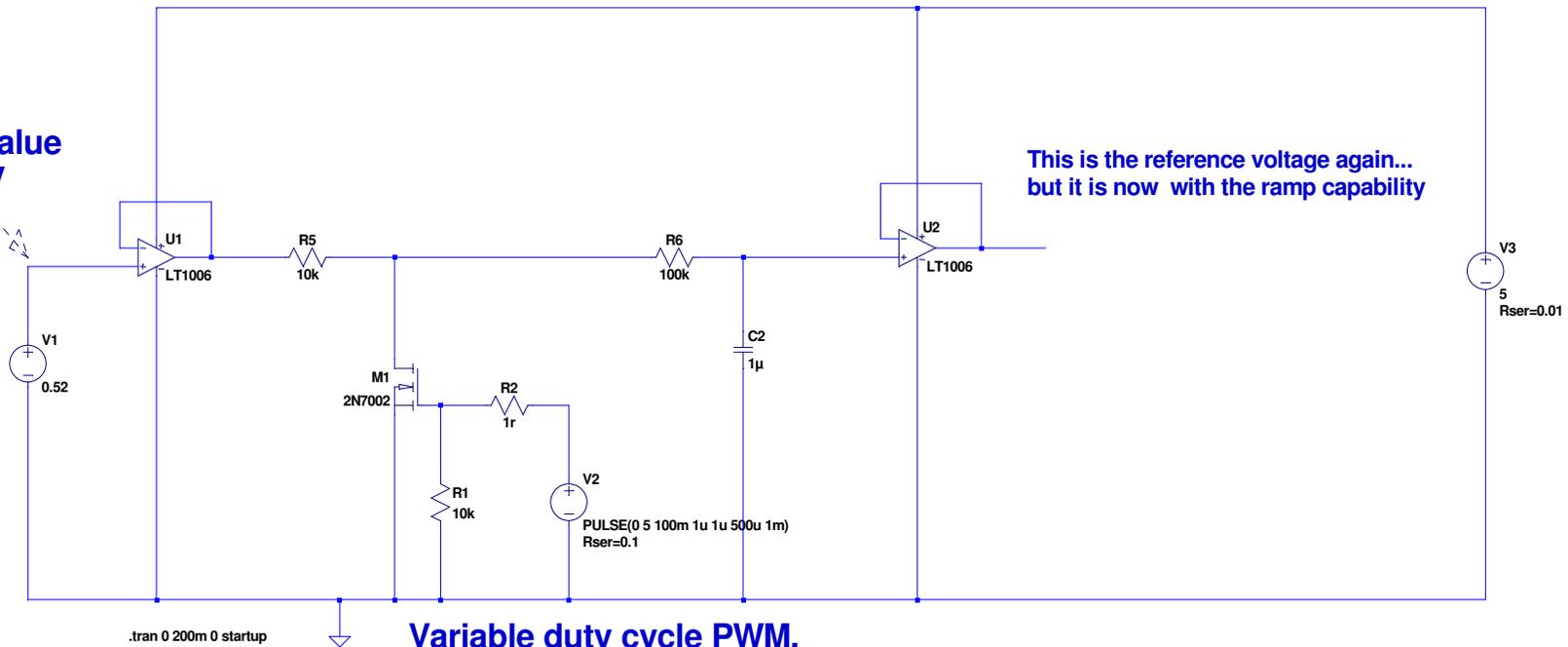


**Ramping a reference voltage up from, or down to, zero volts, whenever required.
The ramp (up or down) should be over 200us and be a linear ramp...or say 10 steps.**

Reference voltage could be set to any value between 0V and 0.5V



**Variable duty cycle PWM.
-to ramp the voltage up or down gradually....PWM provided by a microcontroller...to give the 200us linear ramp.**