



- (9) The system is perturbed by changes in control current threshold, not duty cycle, L.e., duty is an output, not an input.
- (3) Averaged currents can be computed from either energy transfer, or geometrically from duty cycle

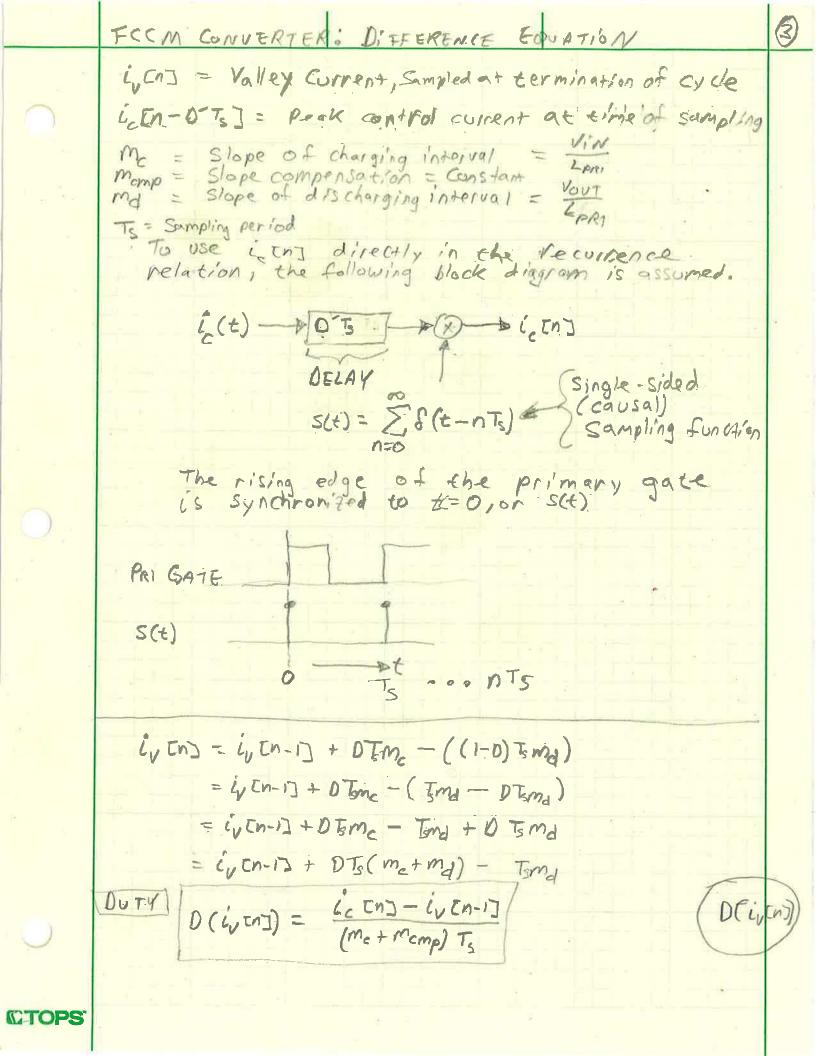
B) Geometry;

$$i_{i_{V}}$$
 DT $Ai_{i_{V}} = (i_{V} 07 + \frac{1}{2} 07\Delta i) + \frac{1}{7}$

- (6) Quasi-periodic sampling changes averaging interval. Sampling of average out put current is periodic as long as Duty does not change. The spill-over or deficit due to changing duty cycle can be added into the current averaging interval.
- The recurrence relation for valley currents (utn) is an IIR filter convolved with the control corrent, (ca).
- Since averaging can be computed entirely from interval, it can be expressed as an FIR filter, that is, averaging is non-recursive.



CTOPS



FCCM CONVERTER! DIFFERENCE EQUATION into = 4 [n-1] + ((c[n] - (v[n-1]) (me+ma)) = - 5 ms Substitute d = mc+md
mc+memp i, [n] = i, [n-1] - i, [n-1] + dic[n] - To ma (vt) ivenj = (1-a) iveni] + die[n] - To ma

