Out: 6/9/2018

Due: 13/9/2018

only first 2 questions need to be submitted.

## AV314 - Assignment 6

1) Using casson's sule obtain an approximation for the FM signals which we obtained by frequency modulating the following baseband signals

a) 5 cos (211.100k) + 10 sin (211150k).

b) sinc (2006).

Assume that the FH sensitivity kg = 10 ( units of kf is usually V/Hz).

2) Suppose m(t) is a bandlimited periodic baseband signal with fundamental period To.

(anyou cartend the Bead function based derivation of the FM spectrum from the single hone case (which was done in class) to this case? Waite down the derivation in detail.

Questions for the acriew class (from Upamanyu Madhow, (hap 3).
Please Acriew Kose questions byone 10 K of September.

Example 3.2.4, Example 3.3.1.

Problems 3.1, 3.2, 3.3, 3.4, 3.5, 3.7, 3.8, 3.13

3-14, 3.16, 3.19