

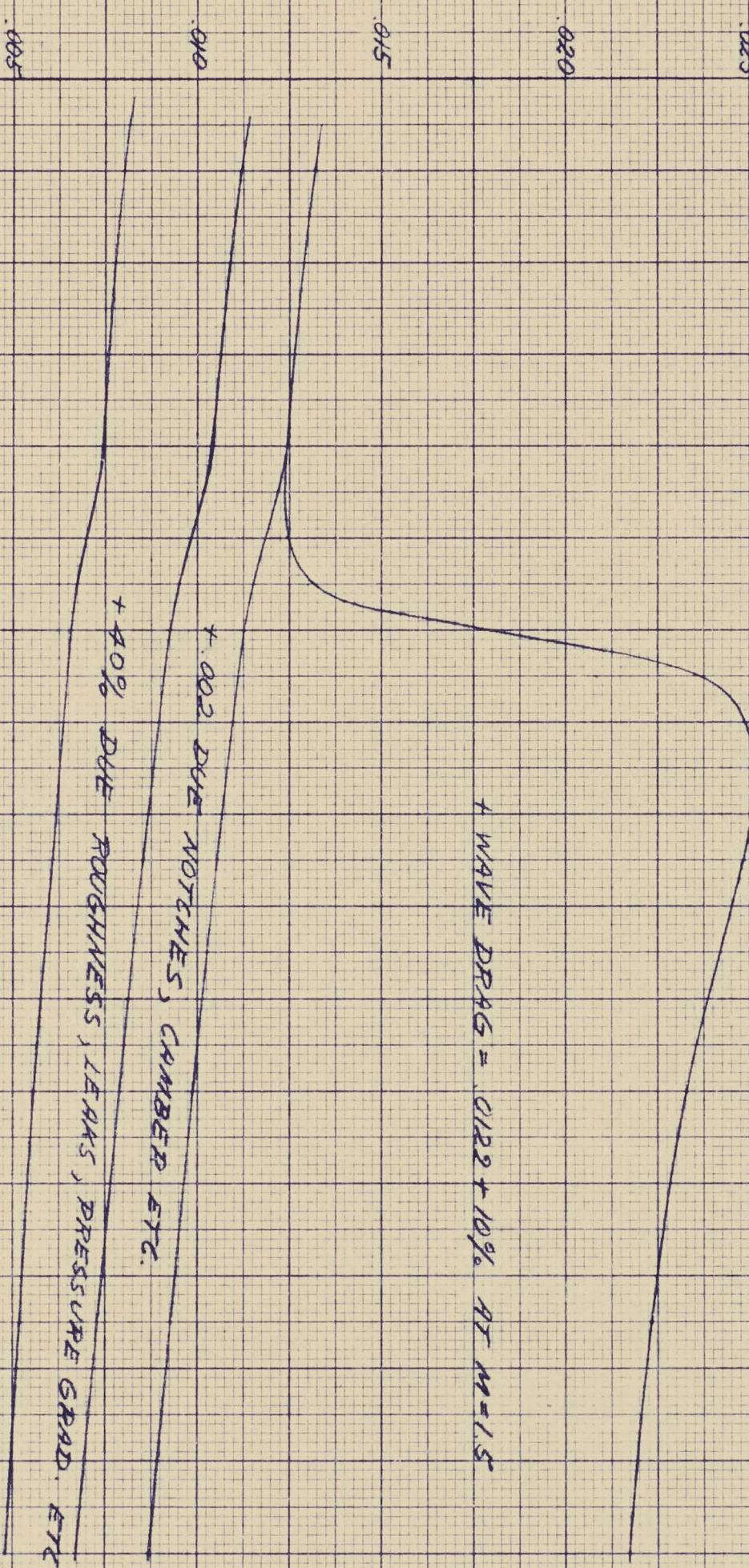
#2

CONTRIBUTIONS TO COMME. VS. MACH NUMBER

AT 50,000 FT. ALTITUDE  
 $C_F = 105$

COMB.

$$+ \text{WAVE DRAG} = 0.122 + 10\% \text{ AT } M=1.5$$



EQ. FLAT PLATE SKIN FRICTION

MACH NUMBER	0	.4	.6	.8	1.0	1.2	1.4	1.6	1.8	2.0
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C<sub>MS</sub> AT CONSTANT C<sub>L</sub> VS. MACH NUMBER

C<sub>L</sub> = 105

-000

○ C<sub>U</sub> = 0  
△ C<sub>U</sub> = 1  
□ C<sub>U</sub> = 2  
◊ C<sub>U</sub> = 3  
× C<sub>U</sub> = 4

FROM C105 EXT/PWT/72

▼ POINTS USED IN NACA LR-87

+ NACA RM L54 G122

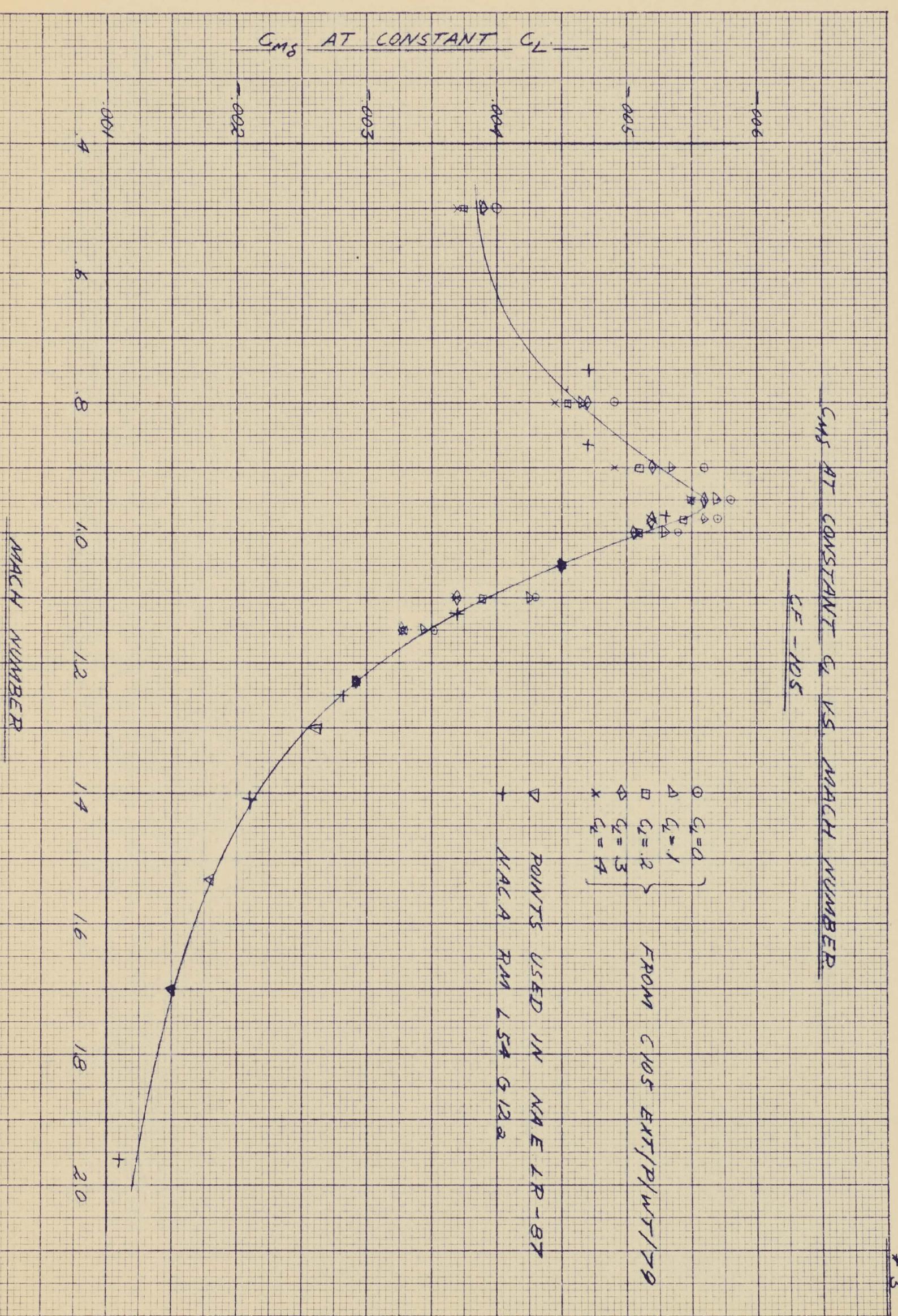
C<sub>MS</sub> AT CONSTANT C<sub>L</sub>

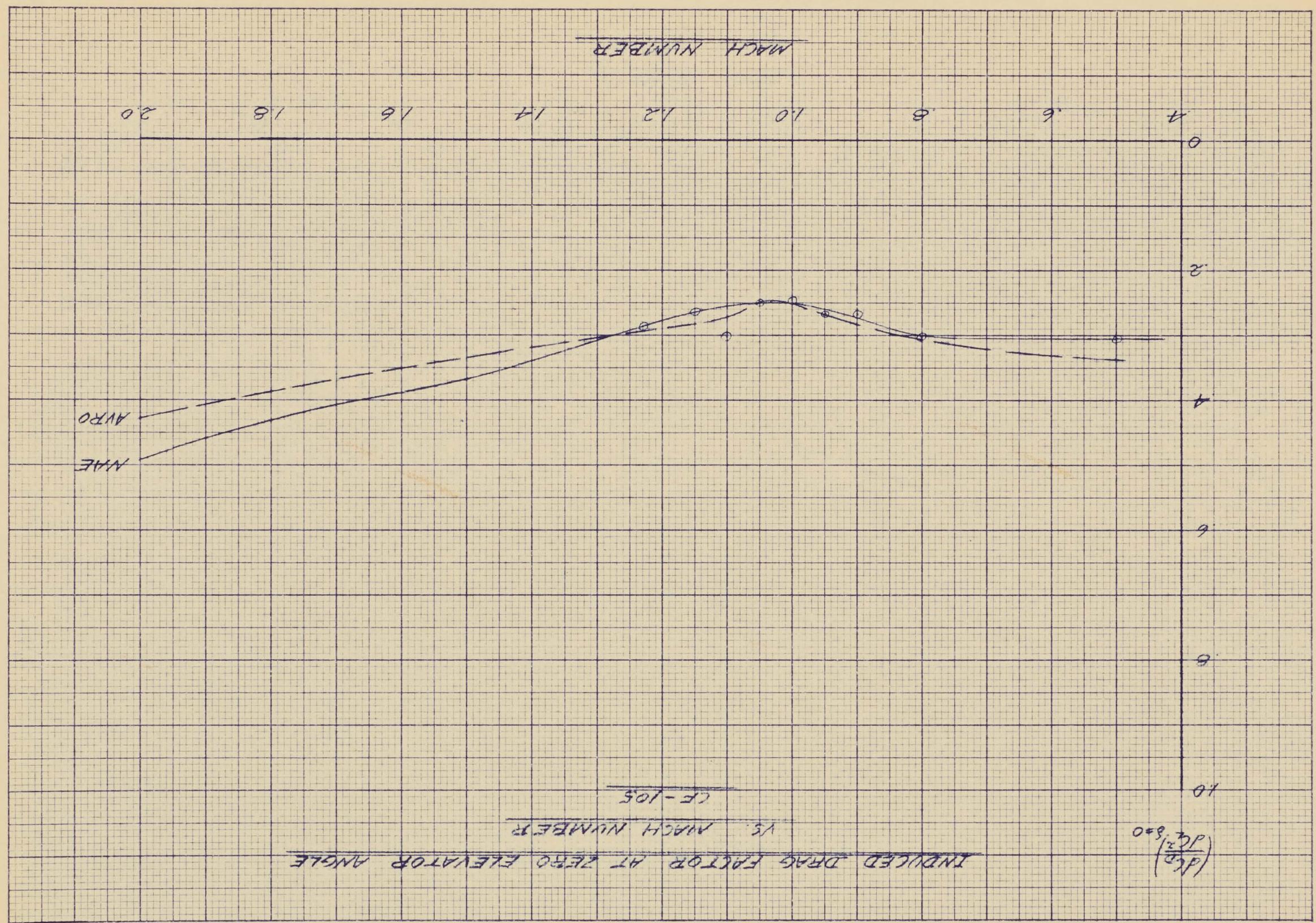
-002

-003

-004

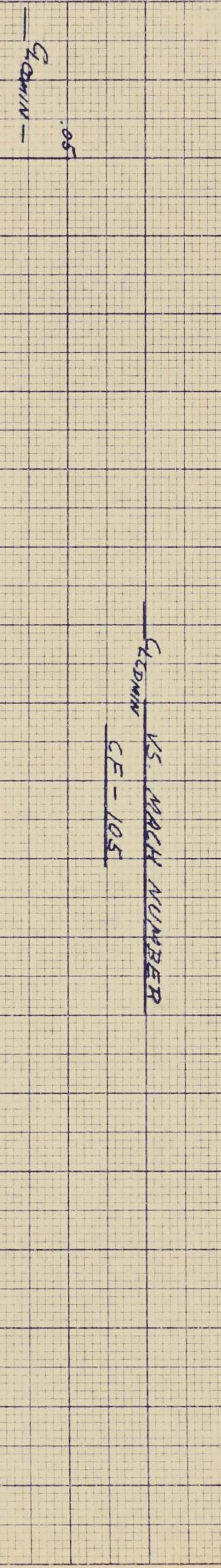
-005





L#7

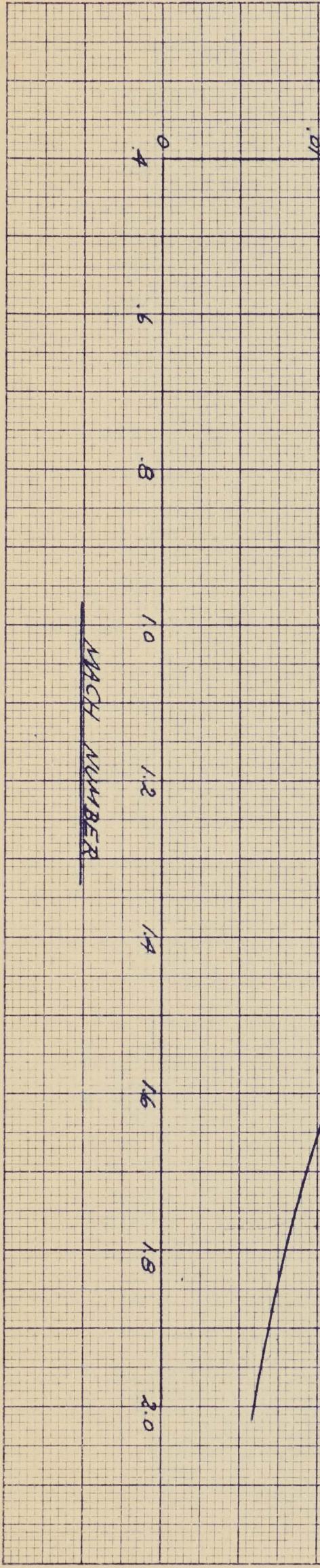
SECOND VS MACH NUMBER  
CE - 105



$$\delta = 0^\circ \text{ to } 5^\circ$$

$$\theta \delta = 10^\circ$$

BASED ON N.R.E. CAMBERED  
WING TESTS.





# 8

TRIM DRAG FACTOR VS. MACH NUMBER  
CF - 105

$$\frac{\Delta C_D^2}{B^2} \times 10^4$$

