

EFFECT OF HEAD WINDS AND TAIL WINDS ON AIRSPEED FOR OPTIMUM RANGE.

Sea Level Altitude Shown — Similar Effect for Other Altitudes.

EXAMPLE:

To find the optimum flying airspeed for sea level with a gross weight of 16,500#, with any wind condition (head or tail wind), draw line from wind speed origin, tangent to the proper curve as shown.

Results:

For above example, the best speeds are given below.

Zero wind — 150 mph true airspeed.
20 mph tail wind — 146 mph.
20 mph head wind — 154 mph.

The above trends can be taken to apply fairly well to the range of altitudes to be used.

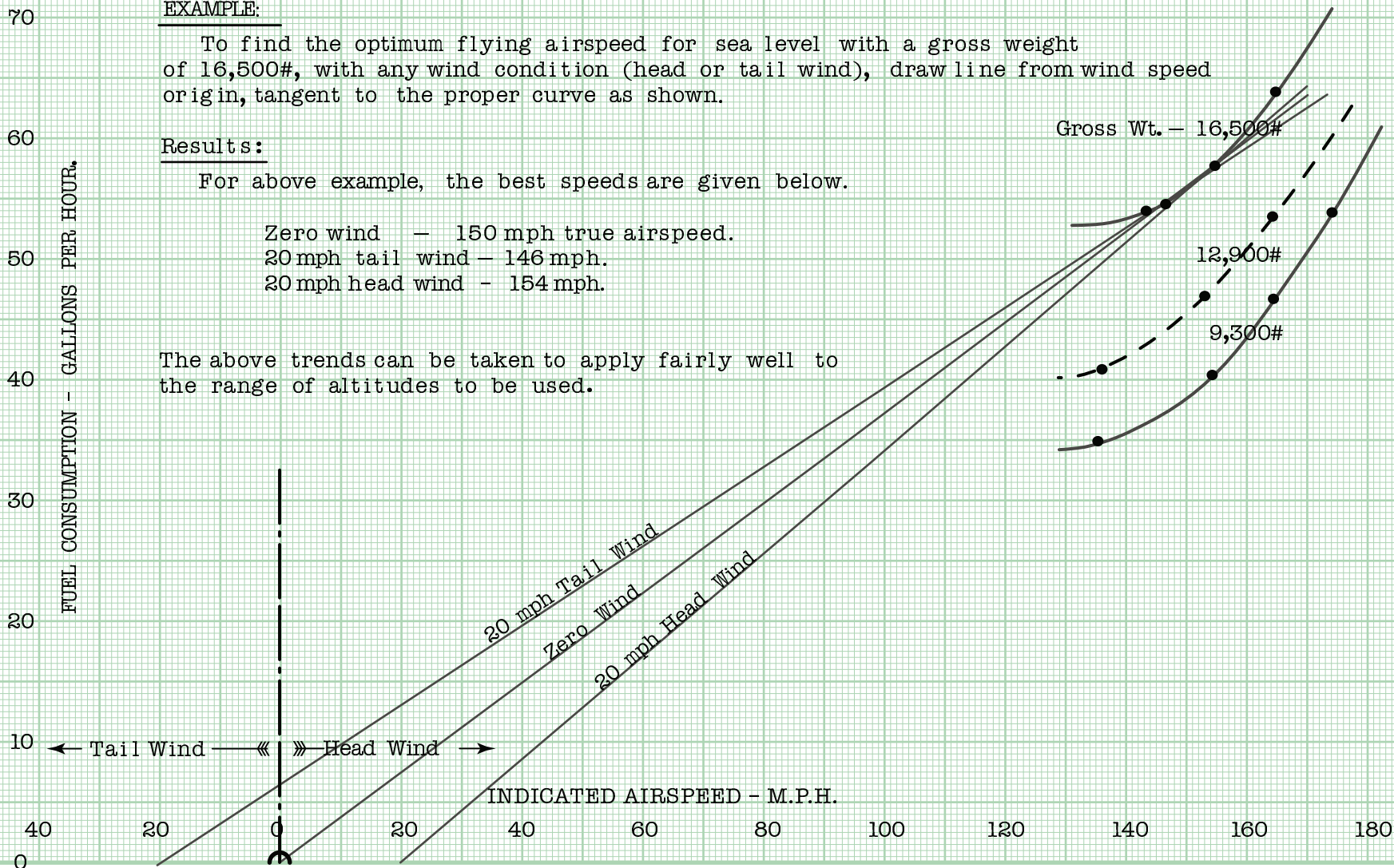


FIGURE II.