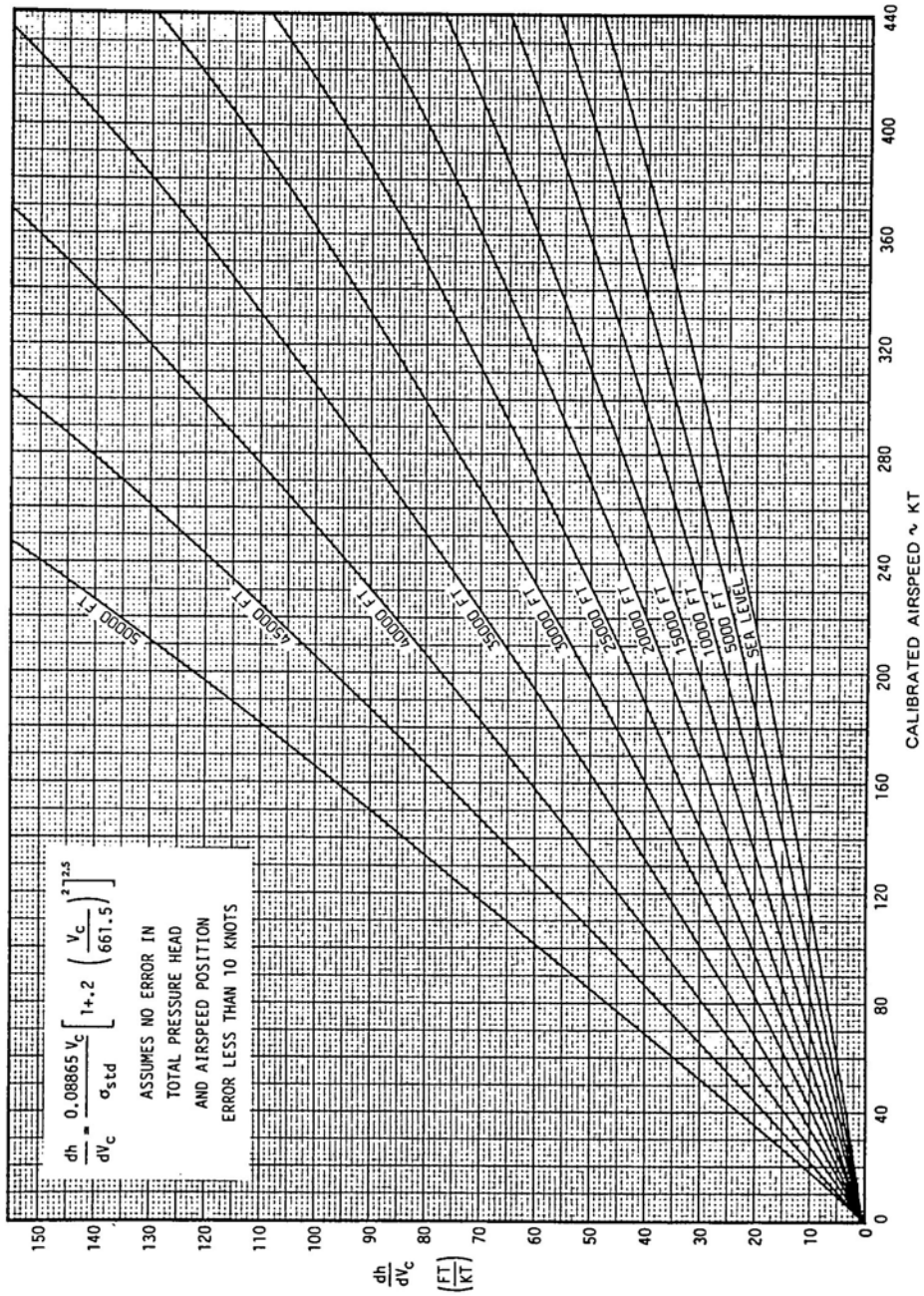

FIGURE A7-6 – ALTIMETER ERROR VS. CAS

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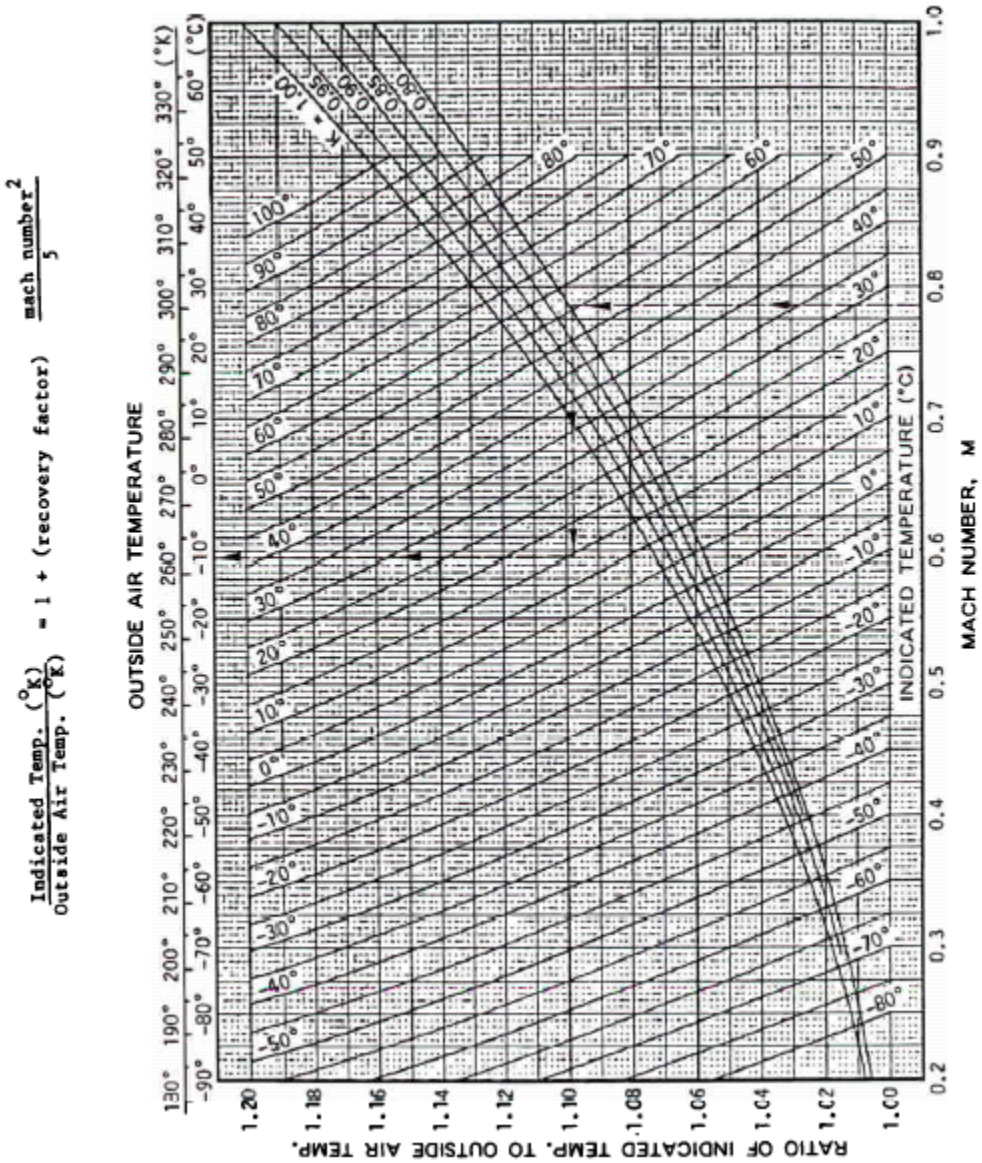

FIGURE A7-7 – TEMPERATURE RAM RISE

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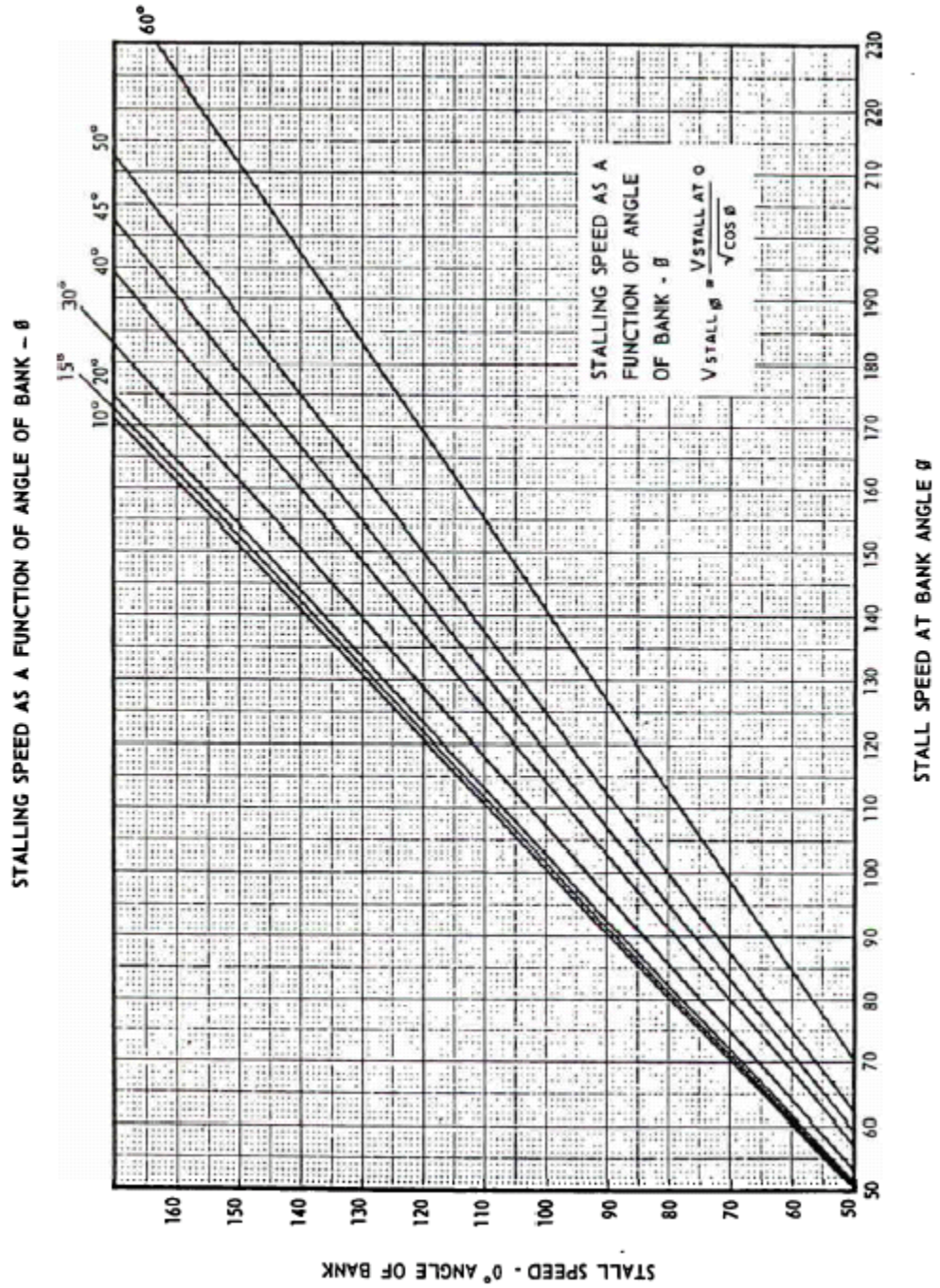
STALLING SPEED AS A FUNCTION OF ANGLE OF BANK – Ø
STALLING SPEED AS A FUNCTION OF ANGLE OF BANK - Ø
$V_{STALL\,Ø} = \frac{V_{STALL\,AT\,0}}{\sqrt{\cos Ø}}$
10°
15°
20°
30°
40°
45°
50°
60°
STALL SPEED - 0° ANGLE OF BANK
STALL SPEED AT BANK ANGLE Ø
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230

FIGURE A7-8

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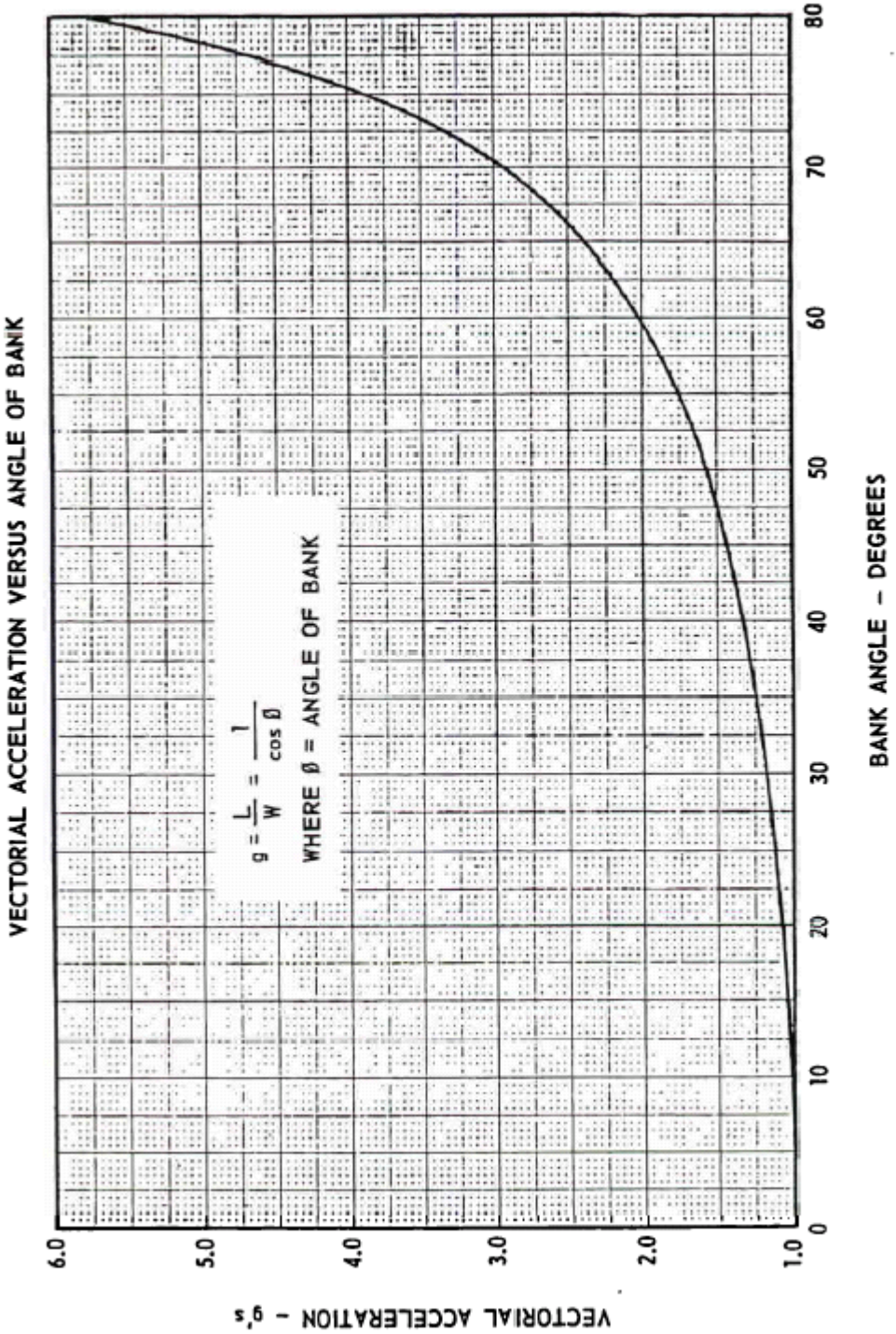
VECTORIAL ACCELERATION VERSUS ANGLE OF BANK
$g = \frac{L}{W} = \frac{1}{\cos \phi}$
WHERE Ø = ANGLE OF BANK
VECTORIAL ACCELERATION – g's
6.0
5.0
4.0
3.0
2.0
1.0
0
10
20
30
40
50
60
70
80
BANK ANGLE – DEGREES

FIGURE A7-9

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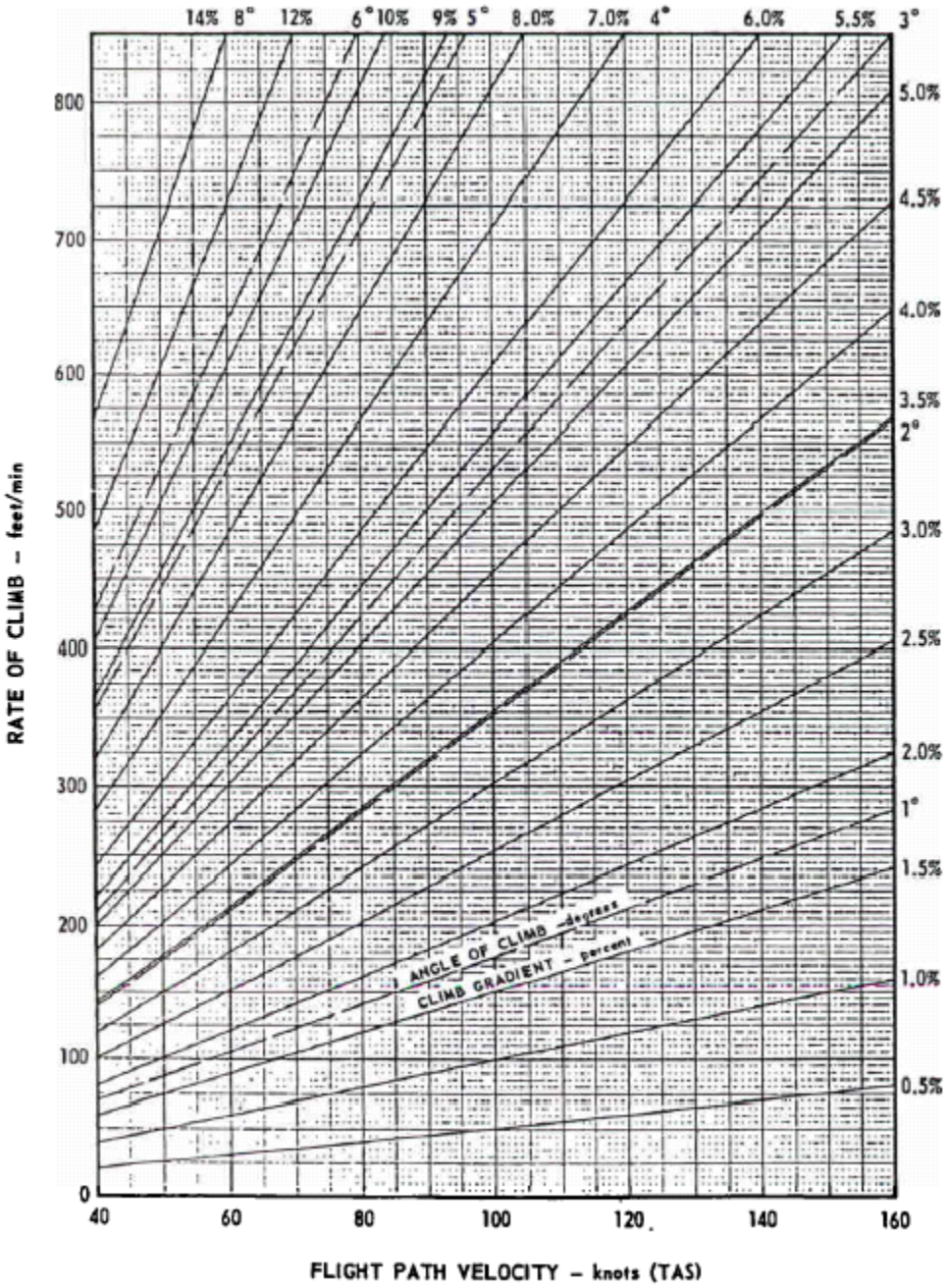
14%
8°
12%
6°
10%
9%
5°
8.0%
7.0%
4°
6.0%
5.5%
3°
5.0%
4.5%
4.0%
3.5%
2°
3.0%
2.5%
2.0%
1°
1.5%
1.0%
0.5%
ANGLE OF CLIMB - degrees
CLIMB GRADIENT - percent
RATE OF CLIMB - feet/min
0
100
200
300
400
500
600
700
800
40
60
80
100
120
140
160
FLIGHT PATH VELOCITY - knots (TAS)

FIGURE A7-10

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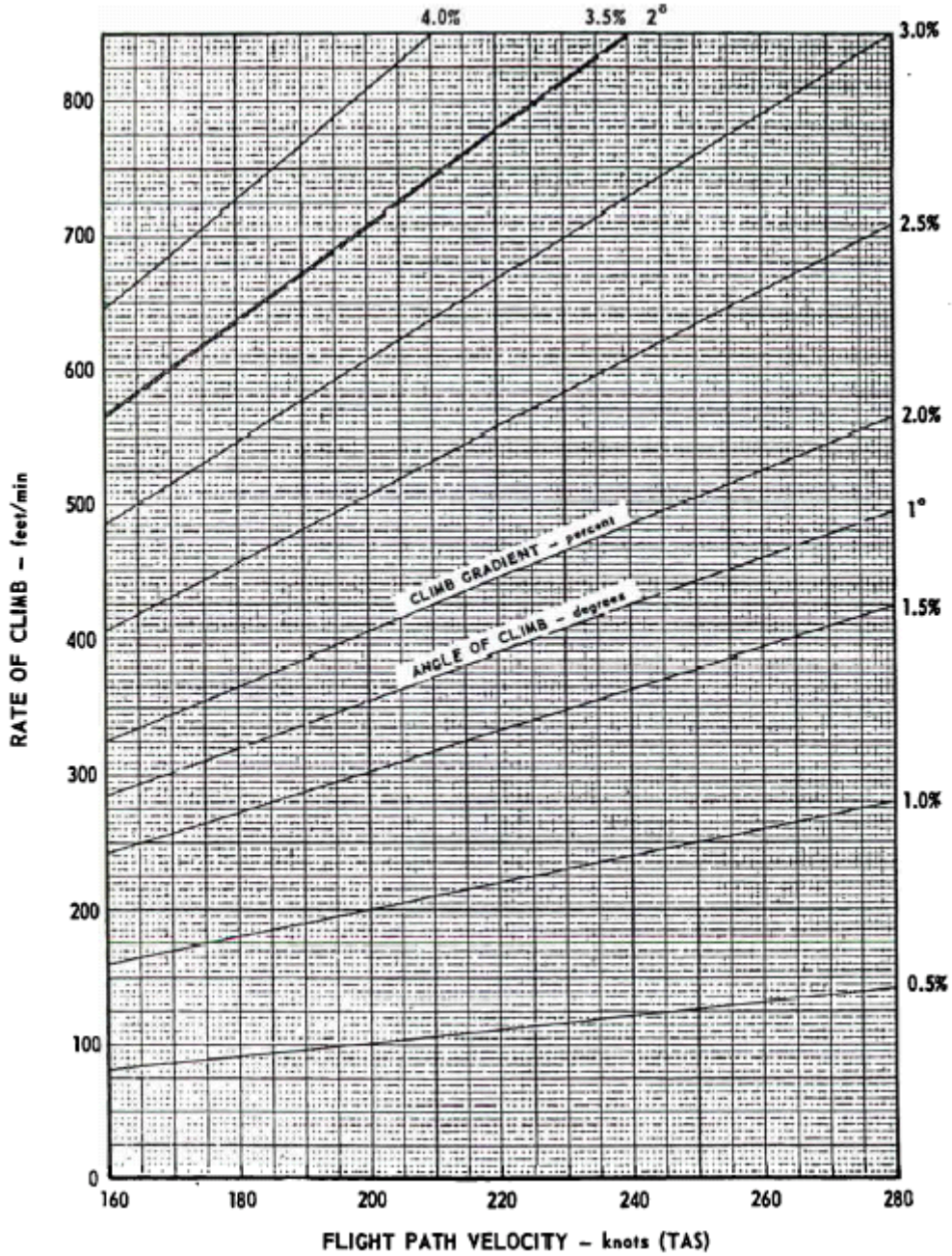

FIGURE A7-10 (continued)

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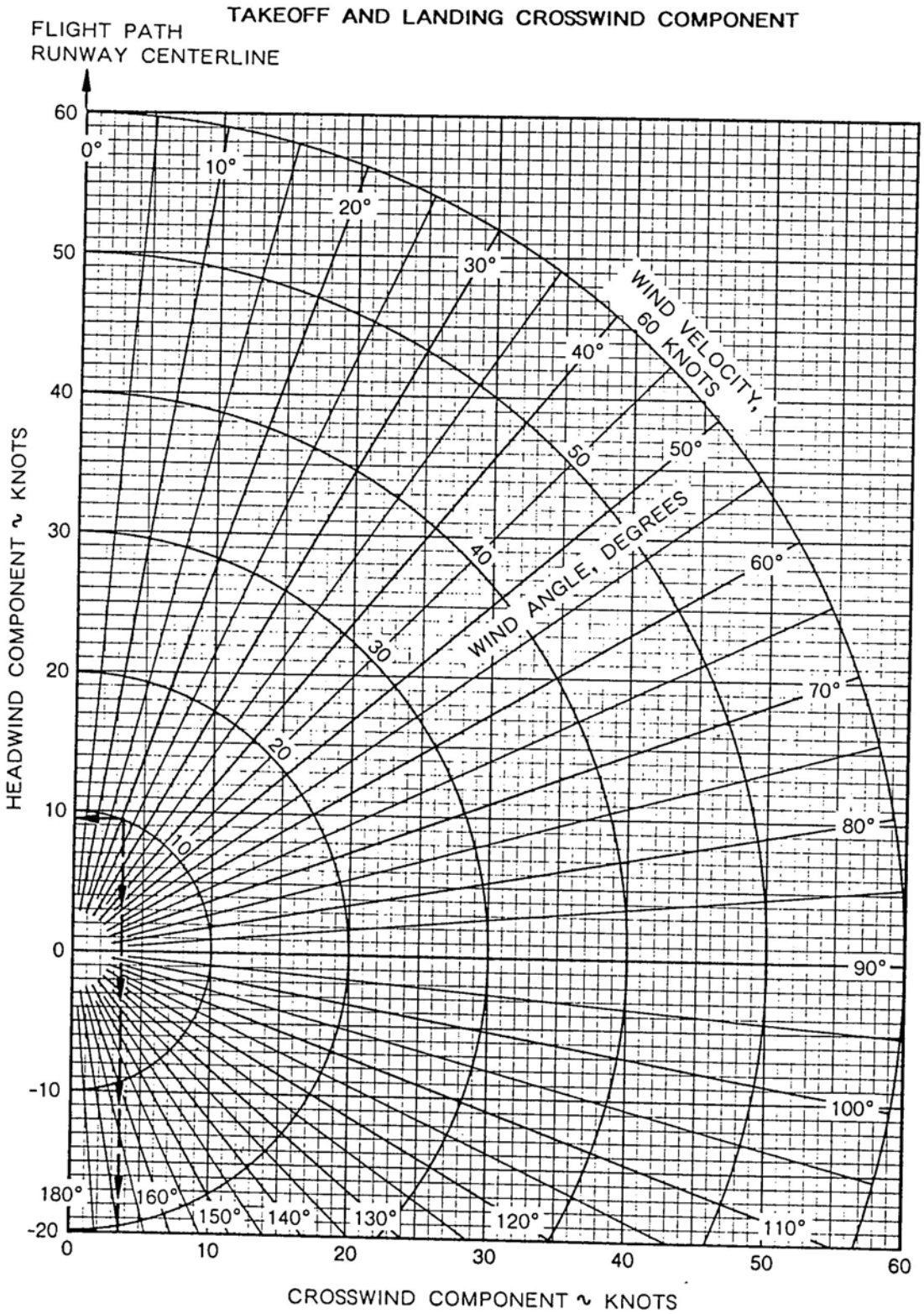
TAKEOFF AND LANDING CROSSWIND COMPONENT
FLIGHT PATH
RUNWAY CENTERLINE
HEADWIND COMPONENT ∿ KNOTS
CROSSWIND COMPONENT ∿ KNOTS
WIND VELOCITY, 60 KNOTS
WIND ANGLE, DEGREES
0°
10°
20°
30°
40°
50°
60°
70°
80°
90°
100°
110°
120°
130°
140°
150°
160°
180°
60
50
40
30
20
10
0
-10
-20
0
10
20
30
40
50
60

FIGURE A7-11

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