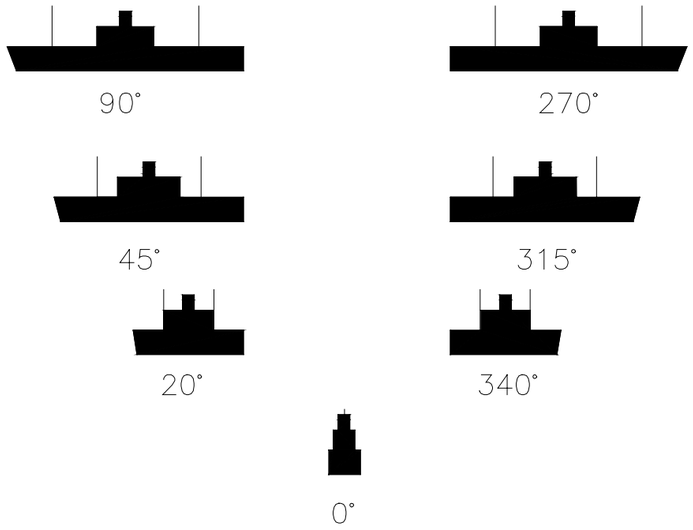
# ANGLE ON THE BOW SILHOUETTES

VESSEL HEADING TOWARDS OBSERVER

FOR SHIPS HEADING AWAY
PORT DIRECTION
ANGLE ON THE BOW
= 180 – SILHOUETTE VALUE

FOR SHIPS HEADING AWAY
STARBOARD DIRECTION
ANGLE ON THE BOW
= 540 – SILHOUETTE VALUE




| TIME | BEARING | RANGE (YARDS) | TIME DIFF. (MINUTES) | SUB SPEED (YDS/MIN) | DIST SUB TRAVELED (YARDS) |
|---|---|---|---|---|---|
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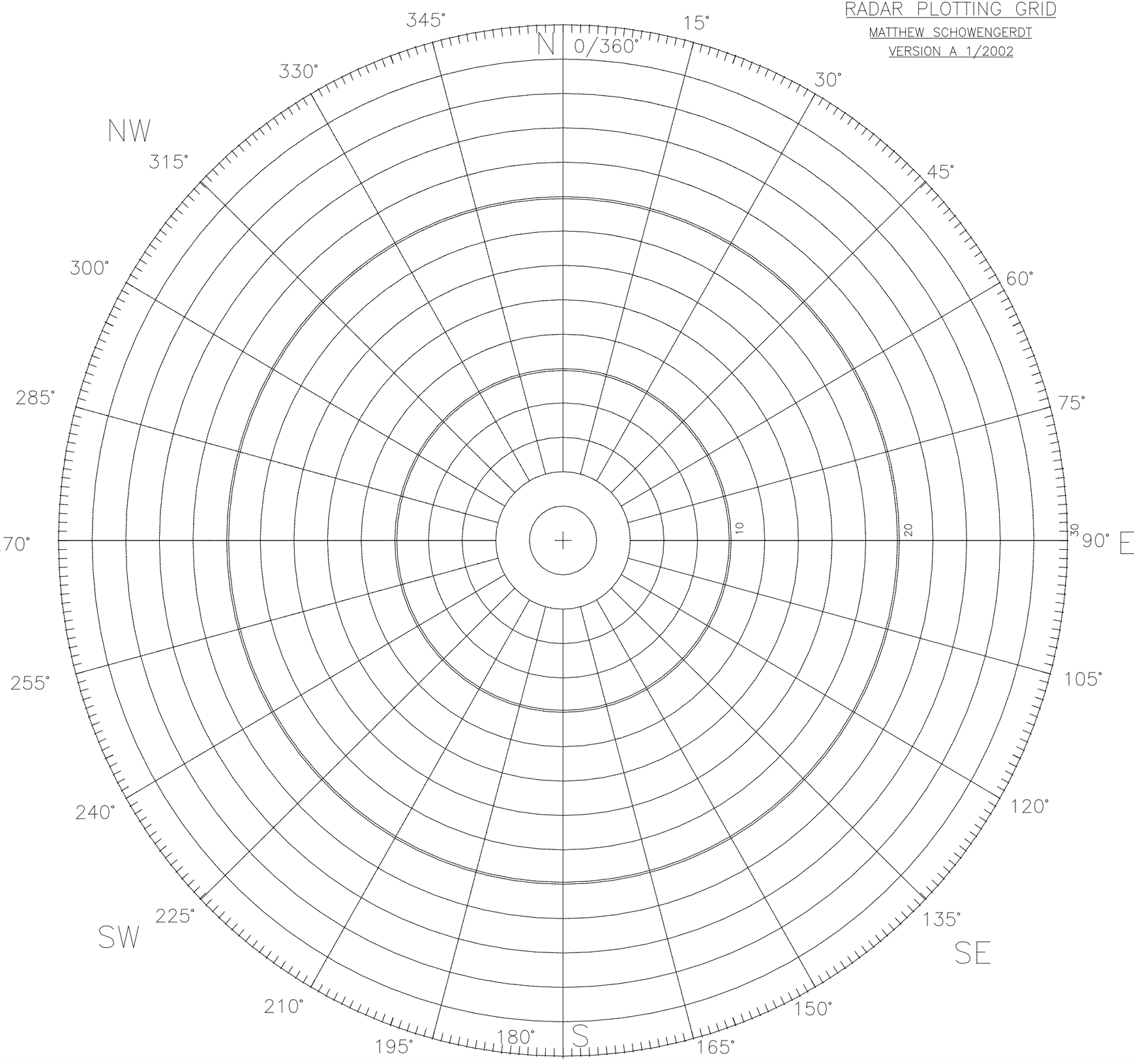
## SPEED/DISTANCE EQUATIONS

SPEED IN KNOTS x 2026.6 = YARDS/HOUR

SPEED IN KNOTS x 33.78 = YARDS/MINUTE

# RADAR PLOTTING GRID

MATTHEW SCHOWENGERDT

VERSION A 1/2002