

THE ELECTROMAGNETIC FIELD IN ITS ENGINEERING ASPECTS

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1954/9



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6] THE MAGNETIC FIELD OF CURRENTS IN FREE SPACE 101

(b) Field of current in a parallel go-and-return circuit.

We consider two parallel thin wires W , W' separated by distance $2c$, and carrying currents $\pm I$ (Fig. 6.13). According to the usual

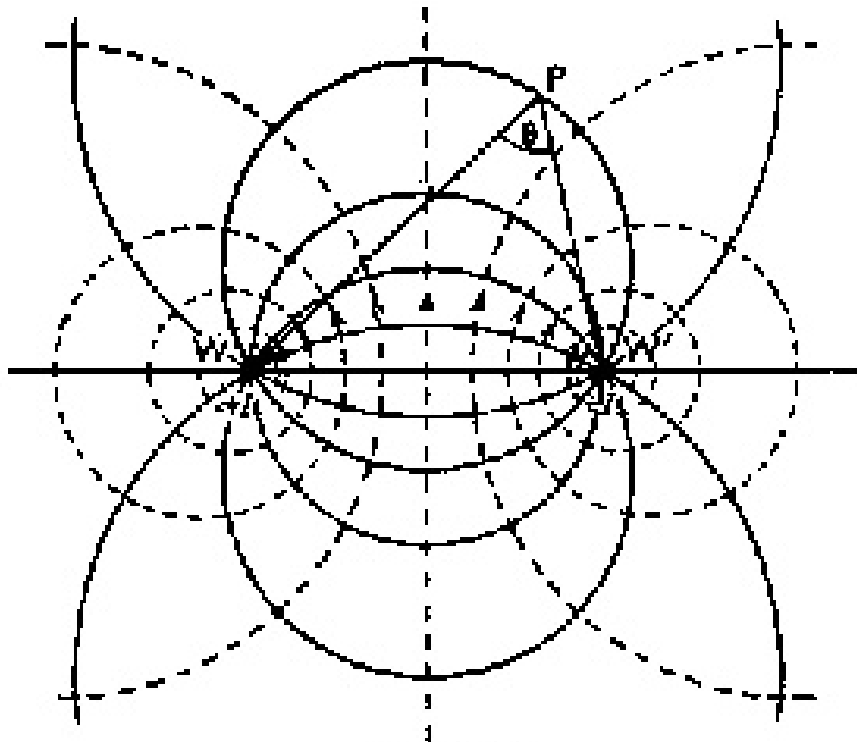


FIG. 6.13.

Electric field in solid lines. Magnetic field in dotted lines.