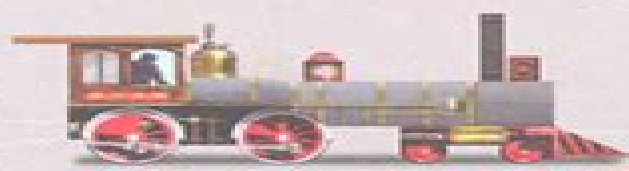


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web receiving end power circle diagram for V_r constant and V_s variable if the sending end voltage is fixed the receiving end power circles for different receiving end voltages are

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web may 1 2022 circle diagrams and envelope circle diagrams are curves on the real and reactive powers plane $p-q$ plane at the sending and receiving ends for constant voltage magnitudes V at both ends 2 3 4 5 see fig 2 and fig 3 as the voltage magnitudes change the circle diagrams vary