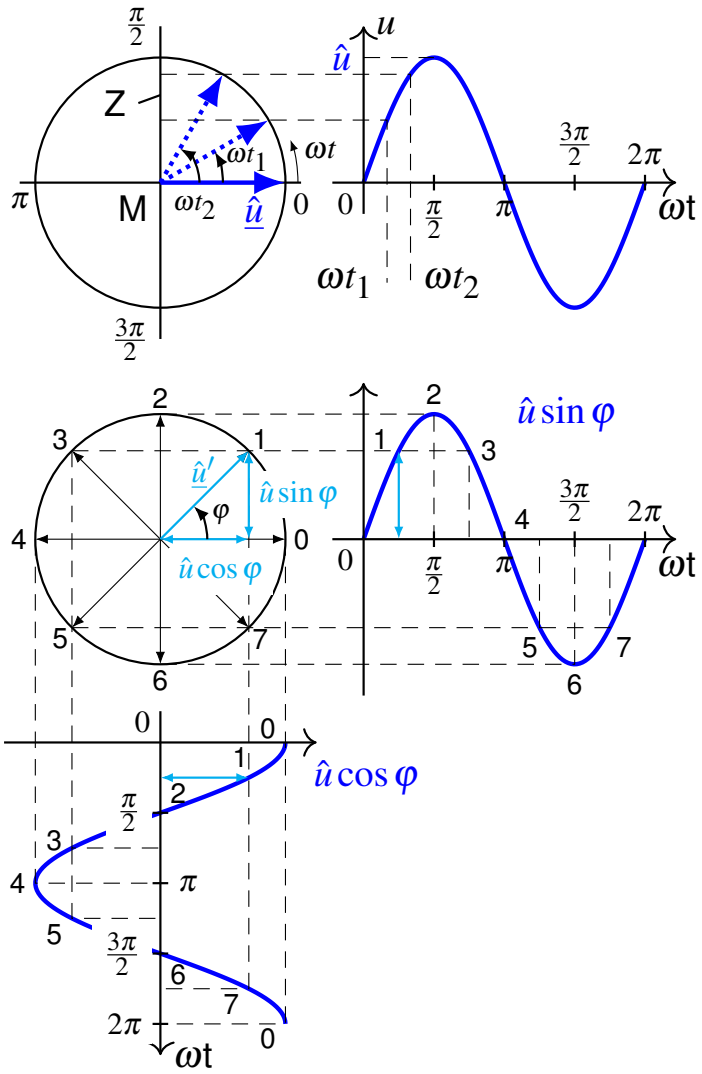
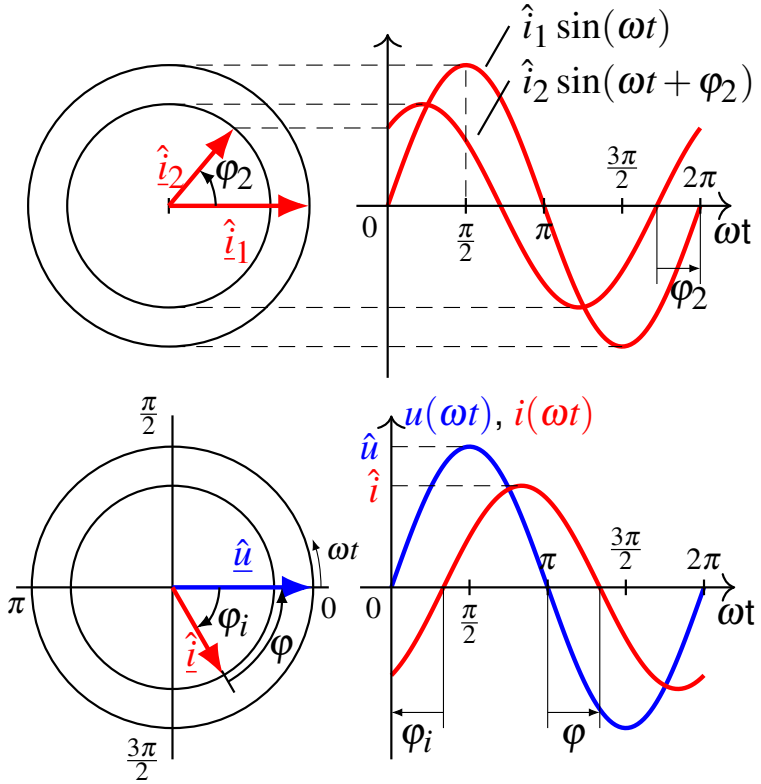
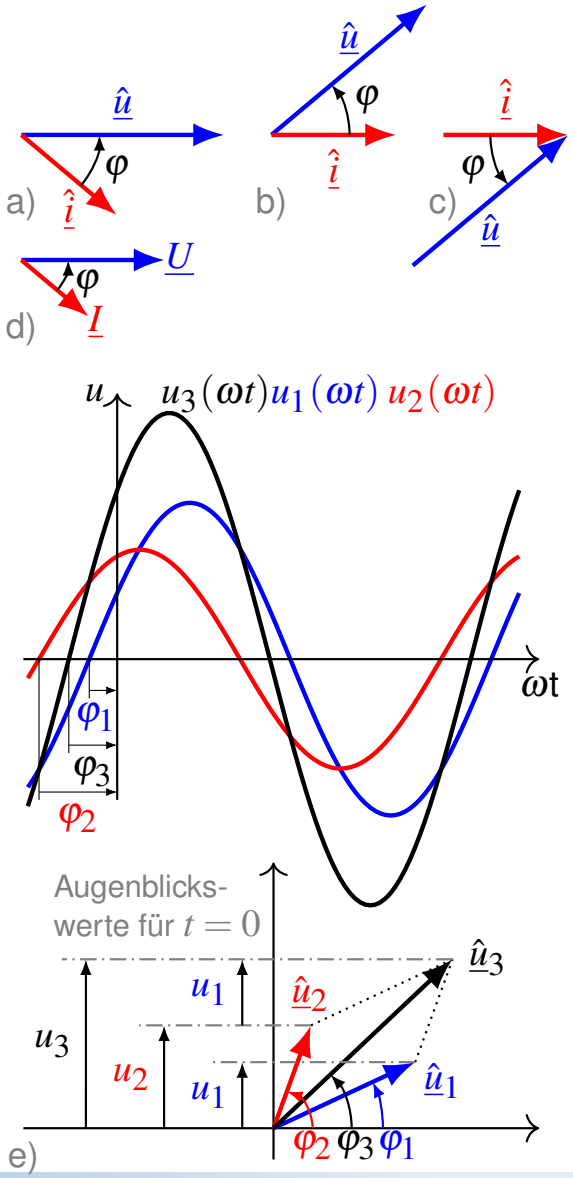
Zeigerdiagramm I



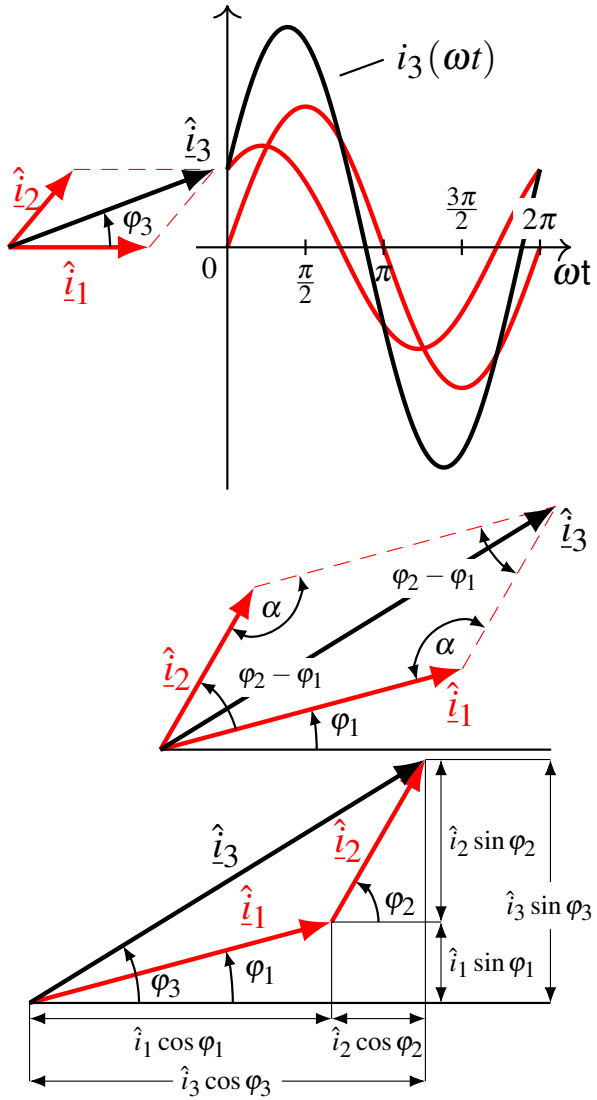
Zeigerdiagramm II



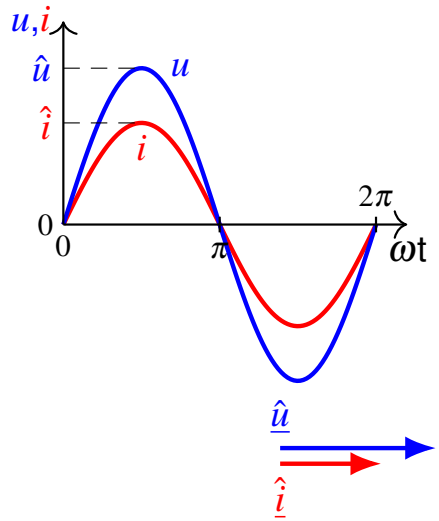
Zeigerdiagramm III



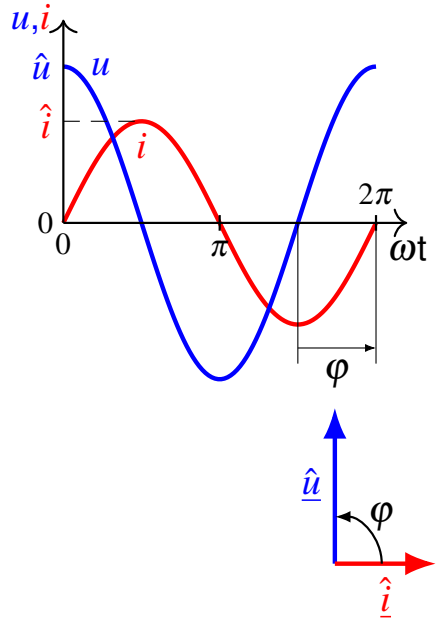
Zeigerdiagramm IV



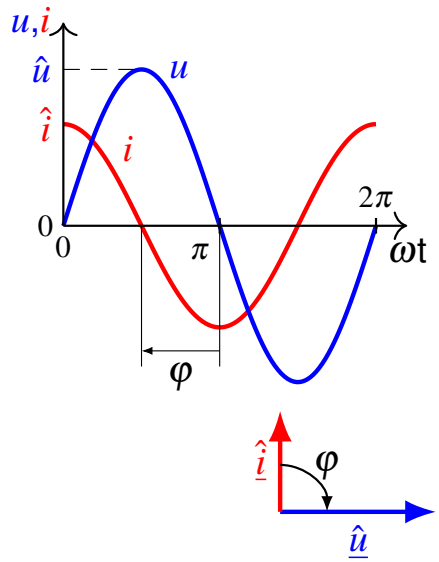
Widerstand im Wechselstromkreis



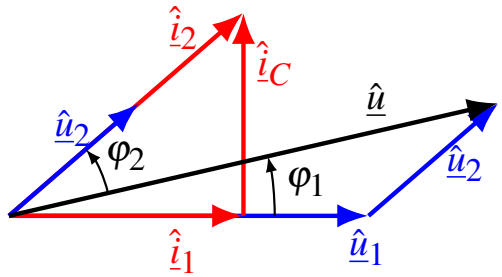
Induktivität im Wechselstromkreis



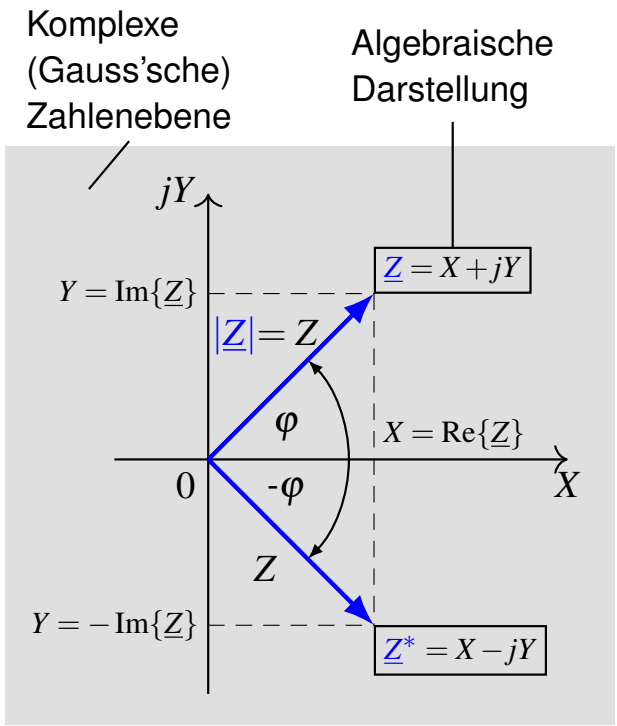
Kondensator im Wechselstromkreis



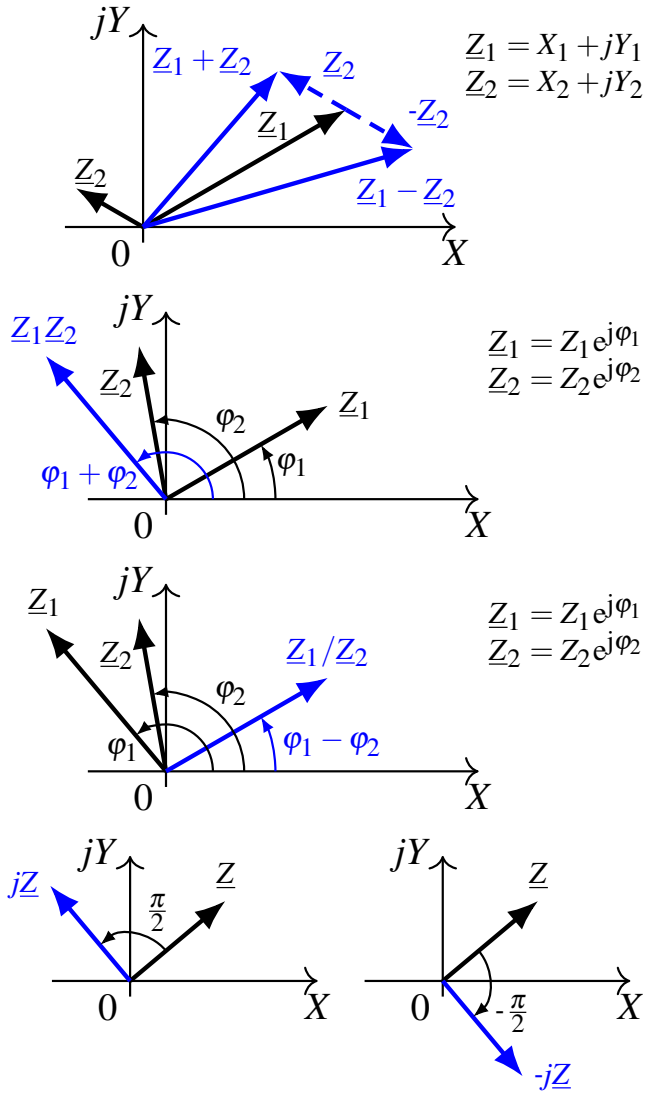
Beispiel - Konstruktion eines Zeigerdiagramms



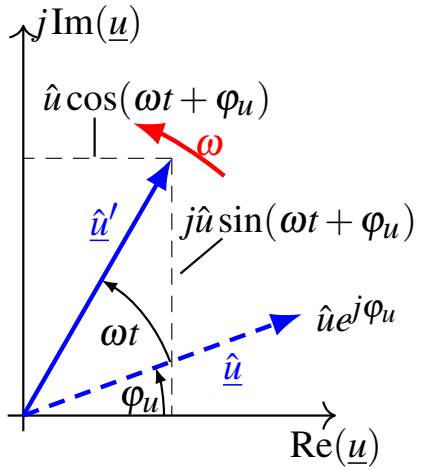
Grundbegriffe der komplexen Rechnung



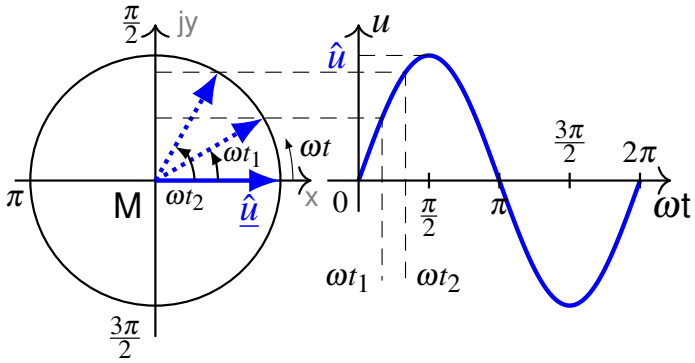
Rechenoperationen mit komplexen Zahlen

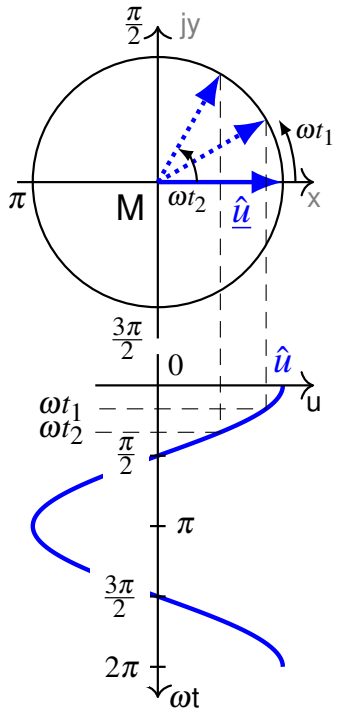


Komplexe Wechselstromrechnung

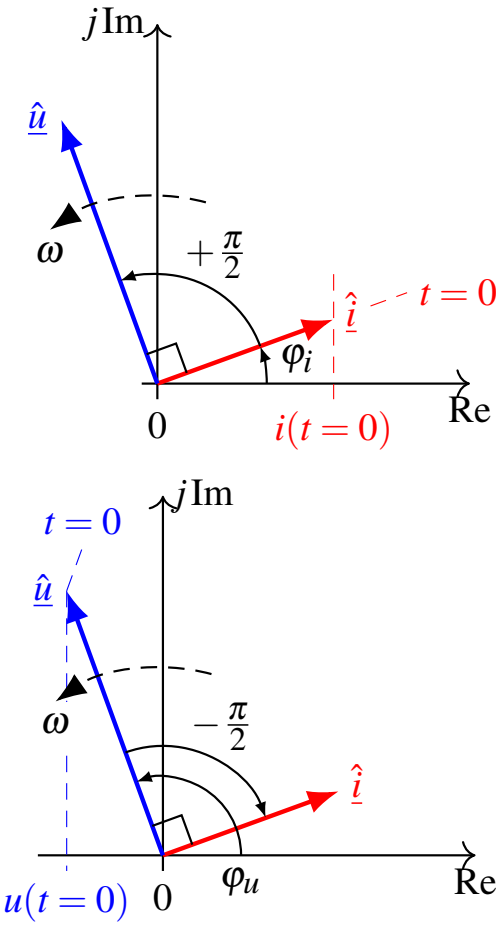


Zeiger für komplexe Wechselstromrechnung

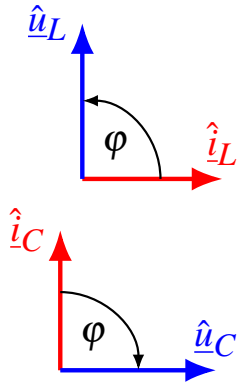




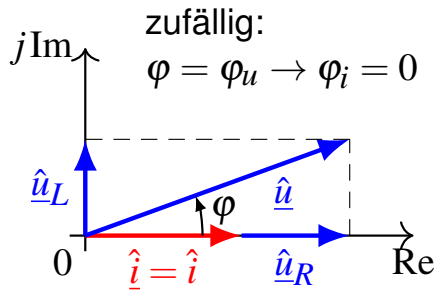
Strom-Spannungsbeziehung für Induktivität



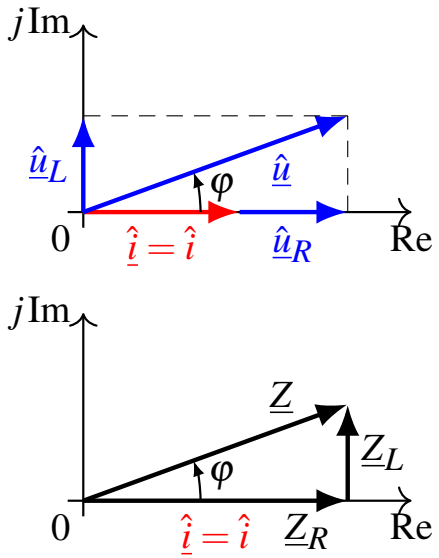
Strom-Spannungsbeziehung im Bildbereich



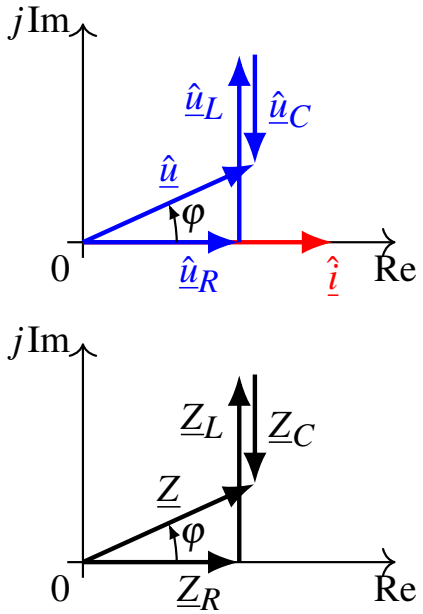
Komplexe Wechselstromrechnung - Beispiel II



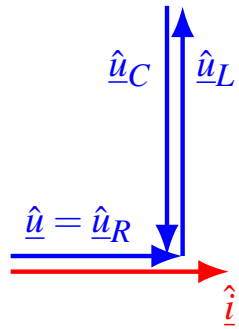
Strom-Spannungs- und Widerstands Diagramm



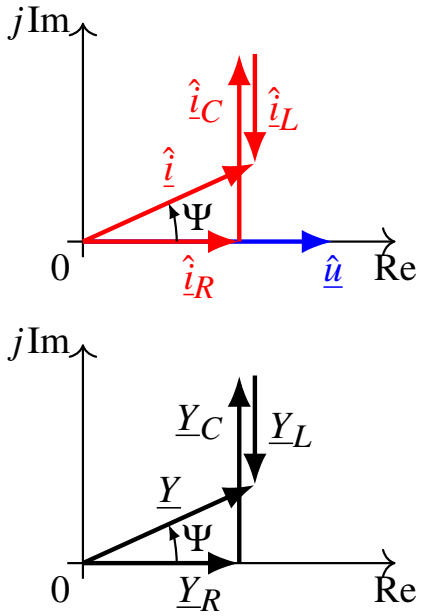
RLC-Serienschwingkreis



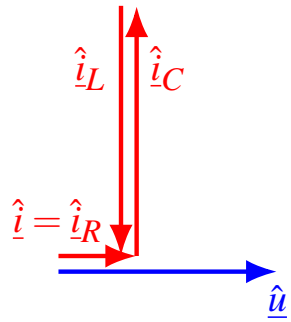
Serienschwingkreis - Bauelementespannungen I



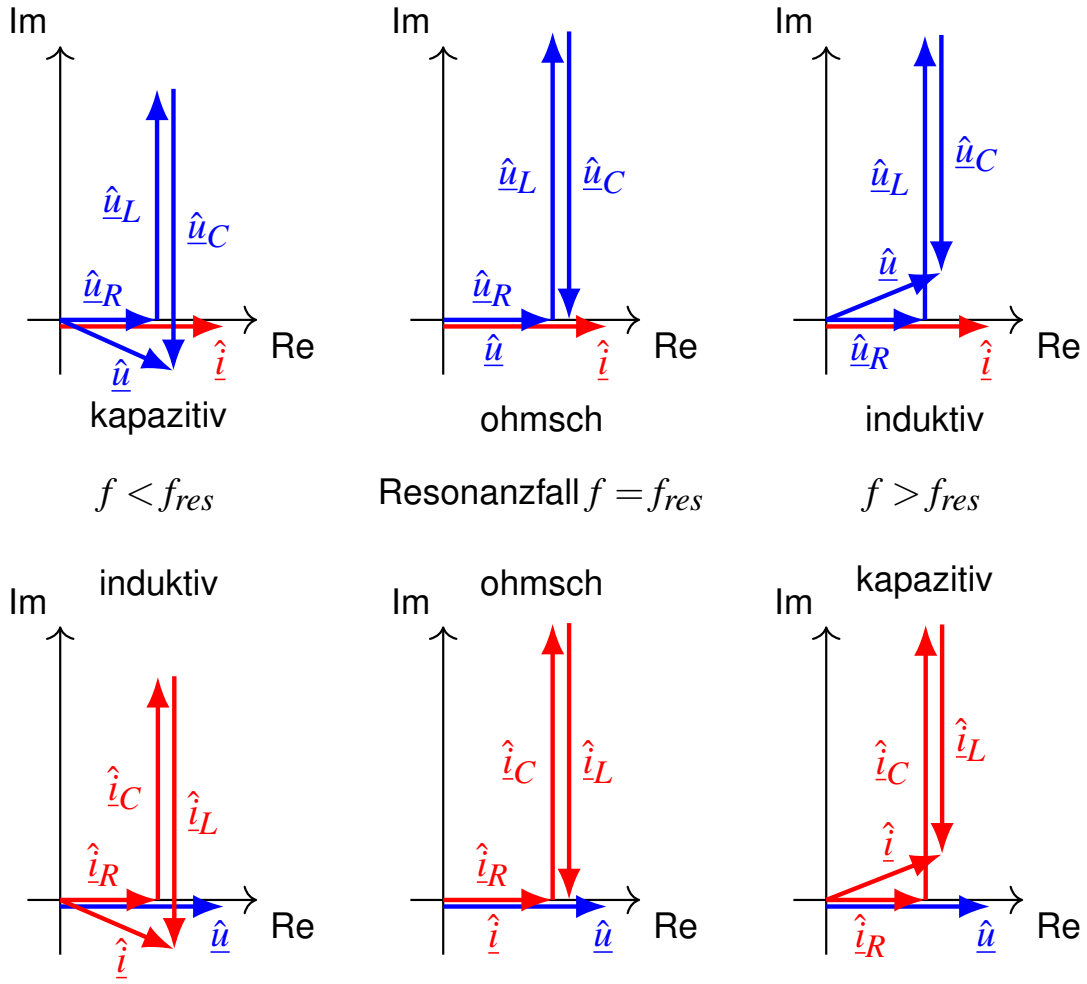
Parallelschwingkreis



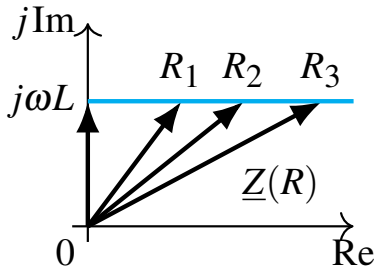
Parallelschwingkreis - Bauelementeströme I



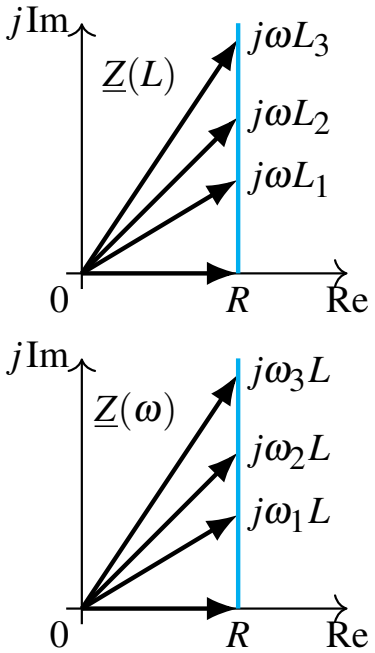
Zeigerdiagramme für Serien-/Parallelschwingkreis



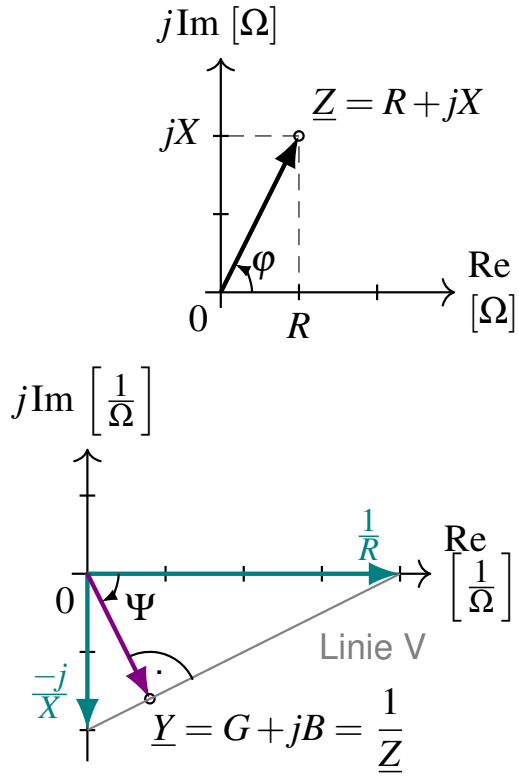
Impedanz RL-Reihenschaltung - R variabel



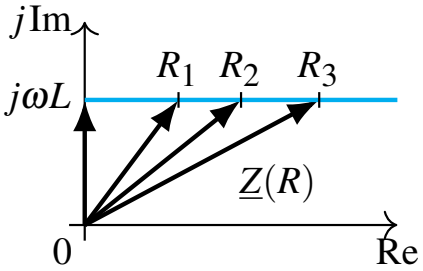
Impedanz RL-Reihenschaltung - L/ω variabel

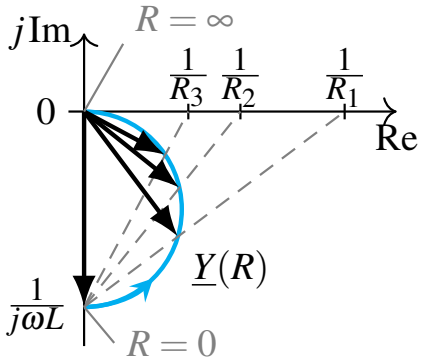


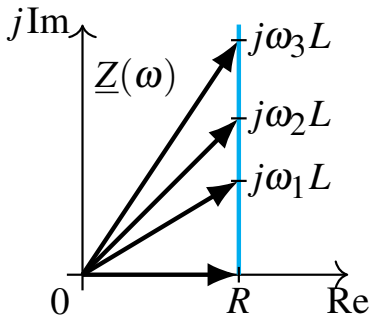
Ortskurve Admittanz: Inversion der Impedanz

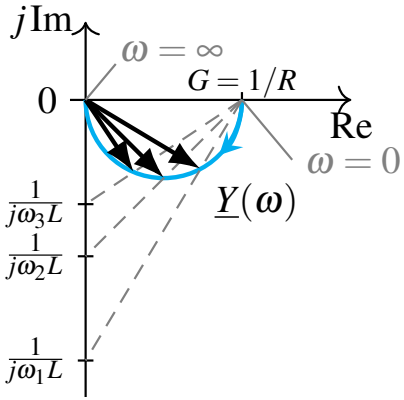


Admittanz RL-Reihenschaltung – R & ω variabel

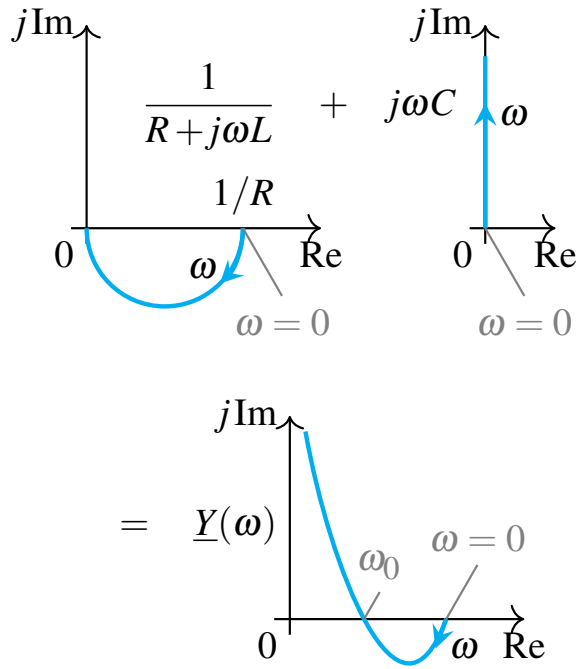




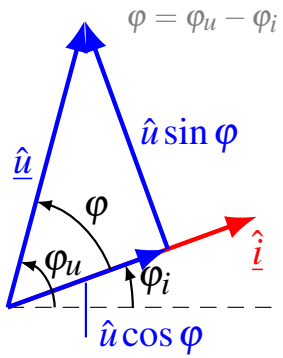




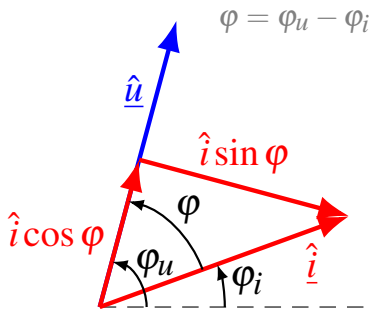
Ortskurven von komplitzierten Netzwerken I



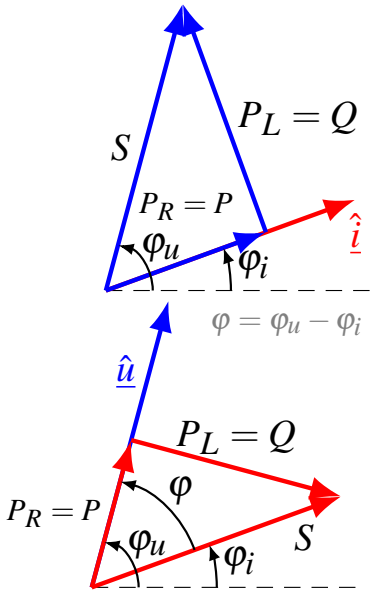
Leistung im Wechselstromkreis - RL-Schaltung I



Leistung im Wechselstromkreis - RL-Schaltung II



Scheinleistung



Blindstrom-/leistungskompensation I