LIST OF TABLES

Table 2.1 Various types of current conveyor 16
Table 3.1 Different realization of SISO filters generated from circuit of Fig. 3.1 44
Table 3.2 Designed and simulated values of natural frequency 52

with bias current and capacitance values

Table 3.3 Component selection, transfer function and 62

matching condition for the circuits

Table 5.1. Admittances, the specializations in numerator and 104

matching condition for the eight circuits.

Table 5.2. Dependence of output current and output voltage on load resistor 110
Table 5.3 Details of filter responses for mixed mode filter of Fig. 5.11 123
Table 6.1 Characteristics of the filter response for two-input three-output case 132
Table 6.2 Characteristics of the filter response for three-input three-output case 133
Table 6.3 Component values for various Quality factors 136
Table 6.4 Conditions for obtaining mixed mode output 148
Table 6.5 Component used for showing orthogonal tunability of \( \omega_0 \) and \( Q_0 \) 151
Table-6.6 Performance comparison of recently reported mixed mode filters 154
Table 6.7 Specialization for various CM and transimpedance mode responses 157
Table 6.8 Specialization for various VM and transadmittance mode responses 157
Table 6.9 Dependence of frequency on capacitor (C) for CM filter of Fig. 6.13 166