

Contents

Chapter 1	The Common Cathode Gain Stage MCD Worksheet I Additional remarks	(CCS)	1 9 13
Chapter 2	The CCS with Grounded Cathode MCD Worksheet II	(CCS+Cc)	15 20
Chapter 3	The Cathode Follower - simple version The Cathode Follower - improved version MCD Worksheet III-1 (CF1) MCD Worksheet III-2 (CF2 _b) MCD Worksheet III-3 (CF2 _u)	(CF1) (CF2)	25 29 36 40 44
Chapter 4	The Common Grid Gain Stage MCD Worksheet IV	(CGS)	49 55
Chapter 5	Constant Current Generators Constant Current Source - low-Z version Constant Current Sink - low-Z version Constant Current Source - high-Z version Constant Current Sink - high-Z version MCD Worksheets V-1 (CCSo-lo) MCD Worksheets V-2 (CCSi-lo) MCD Worksheets V-3 (CCSo-hi) MCD Worksheets V-4 (CCSi-hi)	(CCG) (CCSo-lo) (CCSi-lo) (CCSo-hi) (CCSi-hi)	61 61 63 65 68 71 73 75 78
Chapter 6	The Cascode Amp MCD Worksheet VI	(CAS)	81 92
Chapter 7	The SRPP Gain Stage MCD Worksheet VII	(SRPP)	101 113
Chapter 8	The μ -Follower MCD Worksheet VIII	(μ -F)	121 134
Chapter 9	The Aikido Gain Stage MCD Worksheet IX-1 (AIK-lo) MCD Worksheet IX-2 (AIK-hi)	(AIK)	143 157 164
Chapter 10	The Cascaded CF MCD Worksheet X-1 (CCF-lo) MCD Worksheet X-2 (CCF-hi)	(CCF)	173 180 186

Chapter 11	The White Cathode Follower MCD Worksheet XI	(WCF)	193 202
Chapter 12	Triodes in Parallel Operation	(PAR)	209
Chapter 13	Balanced (differential) Gain Stage MCD Worksheet XIII	(BAL)	215 224
Chapter 14	Feedback MCD Worksheet XIV-1 (overall feedback) MCD Worksheet XIV-2 (local feedback)	(FB)	233 237 240
Chapter 15	Design Example (3 stage pre-amp) MCD Worksheet XV-1 (RIAA + flat + overall feedback) MCD Worksheet XV-2 (flat + local feedback) MCD Worksheet XV-3 (RIAA + local feedback)	(EX)	241 247 261 273
Chapter 16	Data Sheets Characteristics of all valves mentioned in the calculation examples E188CC / 7308 EC92 / 6AB4 ECC83 / 12AX7	(DS)	287 288 290 291
Chapter 17	Abbreviations Subscripts List of Figures Index Epilogue		293 294 297 299 306 311