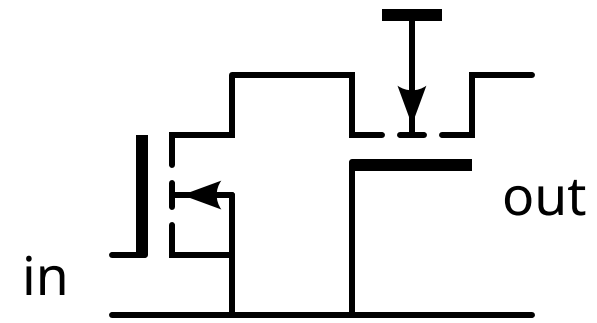


# Structured Electronic Design Preferred Controller Stages

# Uni-lateral stages with maximum LP product contribution

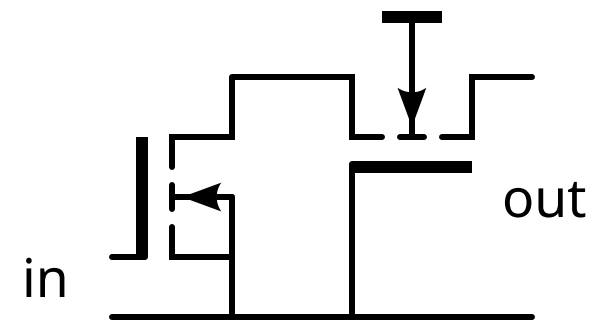
# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage

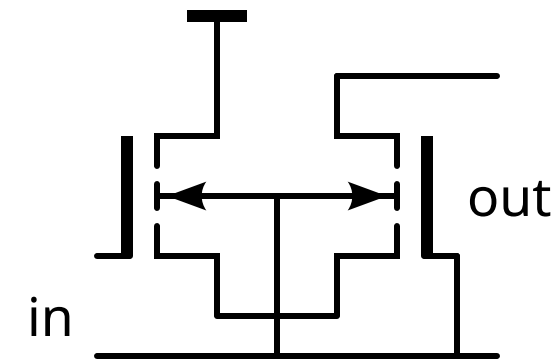


# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage

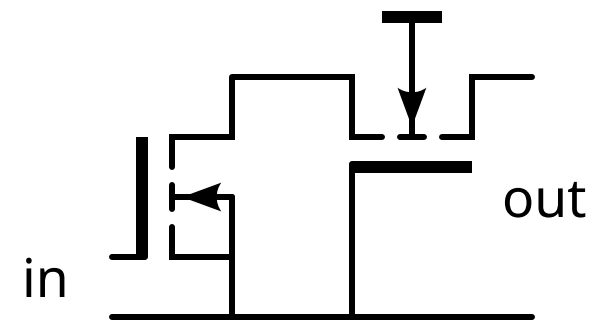


non-inverting  
CD-CG cascode stage

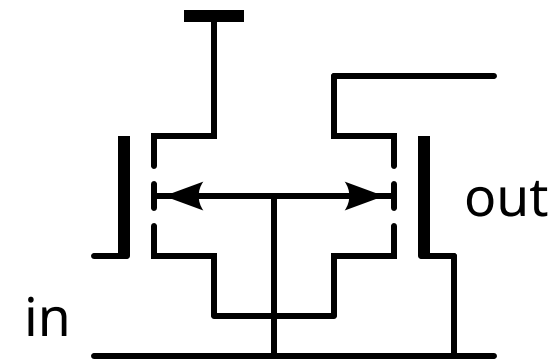


# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



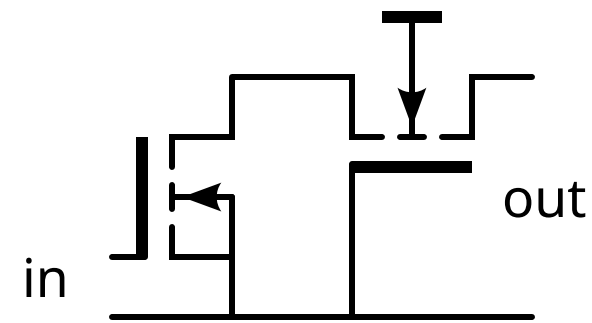
non-inverting  
CD-CG cascode stage



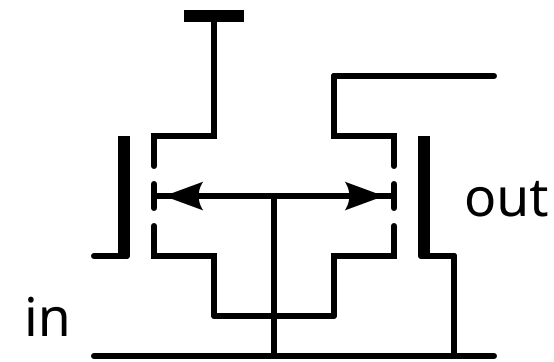
Also: anti-series and complementary-parallel versions

# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage

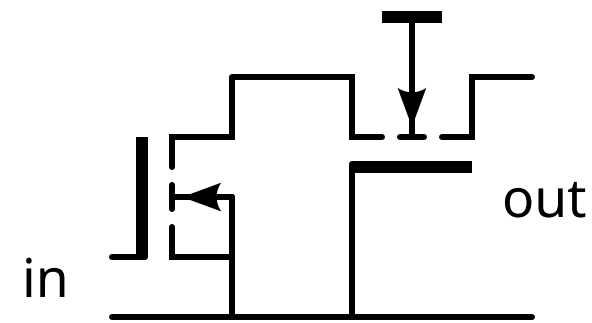


Also: anti-series and complementary-parallel versions

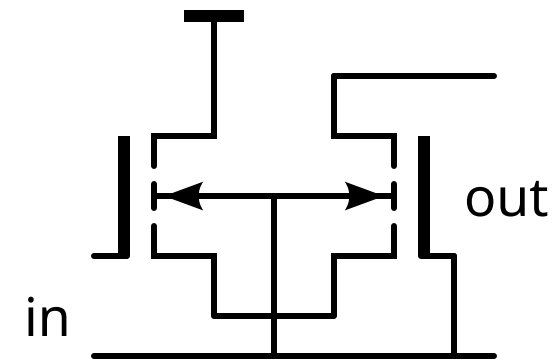
CS stage: Chapter 5

# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage



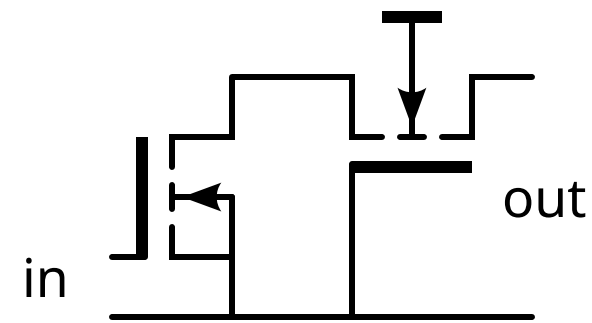
Also: anti-series and complementary-parallel versions

CS stage: Chapter 5

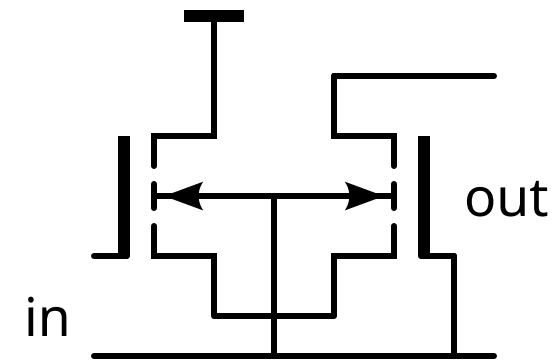
Balanced stages: Chapter 6

# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage



Also: anti-series and complementary-parallel versions

CS stage: Chapter 5

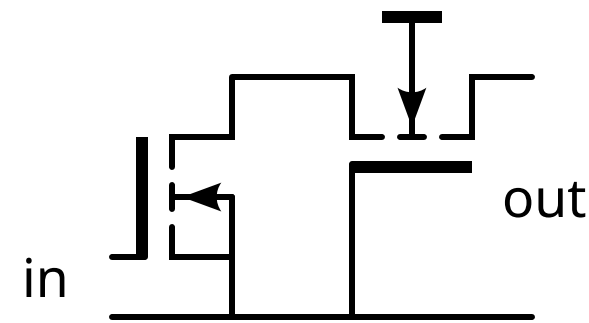
Balanced stages: Chapter 6

Local feedback stages: Chapter 13

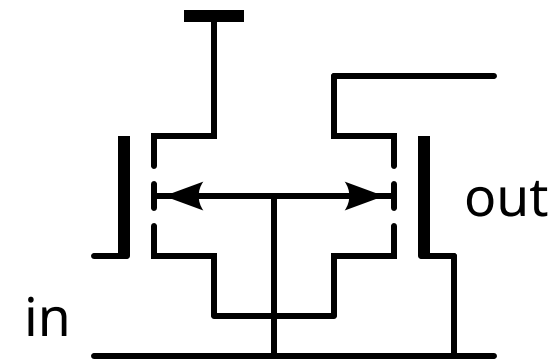


# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage



Also: anti-series and complementary-parallel versions

CS stage: Chapter 5

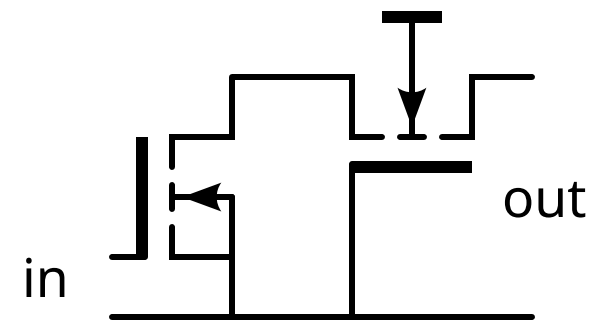
Balanced stages: Chapter 6

Local feedback stages: Chapter 13

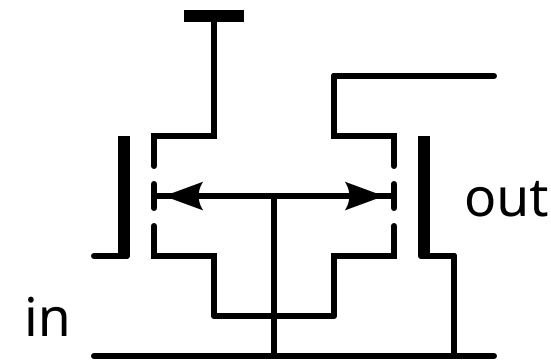
Cascode stages: Chapter 14

# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage



Also: anti-series and complementary-parallel versions

CS stage: Chapter 5

Balanced stages: Chapter 6

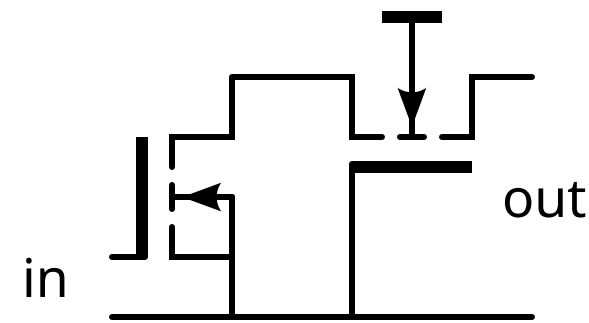
Local feedback stages: Chapter 13

Cascode stages: Chapter 14

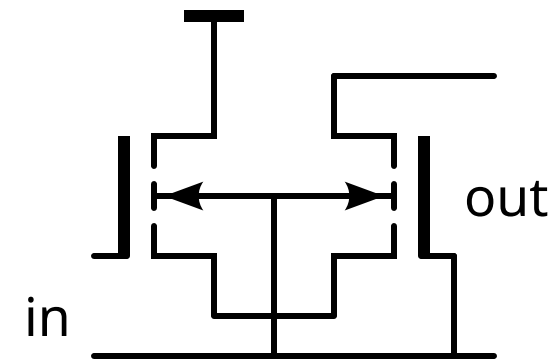
Design of multi-stage controllers: Chapter 14

# Uni-lateral stages with maximum LP product contribution

inverting  
CS-CG cascode stage



non-inverting  
CD-CG cascode stage



Also: anti-series and complementary-parallel versions

CS stage: Chapter 5

Balanced stages: Chapter 6

Local feedback stages: Chapter 13

Cascode stages: Chapter 14

Design of multi-stage controllers: Chapter 14

# Structured Electronic Design Preferred Controller Stages