

# Chapter 7

## *Arrayed waveguide gratings*

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**7.1) Introduction**

**7.2) Star coupler layout**

**7.3) Theoretical derivation**

**7.4) Design specifications**

**7.5) AWG design procedure**

**7.6) BPM simulation of AWG**

**7.7) AWGs in laser applications**

*7.7.1) Chirping of AWGs*

**7.8) Conclusions**

**7.9) References**

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