

# Fourier Series

This chapter launches our Introduction to Fourier Transforms with a look at Wave Analysis and Trigonometric Fourier Series. We will then go on to consider the Exponential Fourier Series and its Applications.

The material in this chapter is based on Chapter 7 (Starting at [Section 7.8](http://site.ebrary.com/lib/swansea/docDetail.action?docID=10547416) (<http://site.ebrary.com/lib/swansea/docDetail.action?docID=10547416>)) of {% cite karris %} from the Required Reading List. Some clarification was needed and I used [Chapter 4](https://ebookcentral.proquest.com/lib/swansea-ebooks/reader.action?ppg=150&docID=3135971&tm=1518703383001) (<https://ebookcentral.proquest.com/lib/swansea-ebooks/reader.action?ppg=150&docID=3135971&tm=1518703383001>) of {% cite benoit %} from the Recommended Reading List for this.

## References

{% bibliography --cited %}