# Fourier symmetry and wave superposition

GRE Subject Test · GRE Physics · Vocabulary in context

| Word | Example |
|---|---|
| **Fourier series** /ˈfɔːrɪə ˈsɪəriːz/ | A **Fourier series** writes a wave as a sum of sines and cosines. |
| **coefficients** /ˌkəʊɪˈfɪʃənts/ | The Fourier **coefficients** give the size of each part. |
| **harmonics** /hɑːˈmɒnɪks/ | A square wave contains only odd **harmonics**. |
| **even function** /ˈiːvən ˈfʌŋkʃən/ | cos x is an **even function**.<br>cos x |
| **odd function** /ɒd ˈfʌŋkʃən/ | sin x is an **odd function**.<br>sin x |
| **Gibbs phenomenon** | The **Gibbs phenomenon** causes overshoot near a jump. |



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