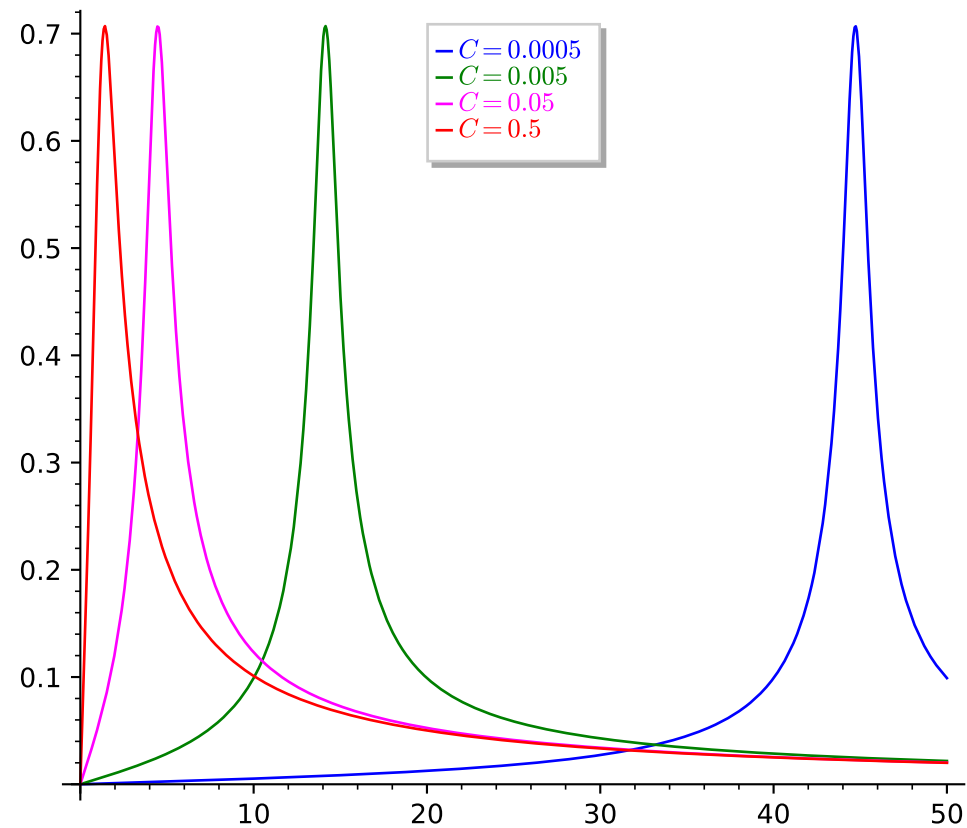


gain



input frequency -  $\omega$