

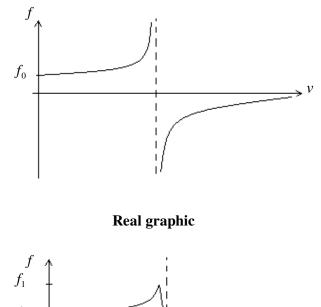
How Nature Deals with Mathematical Infinites

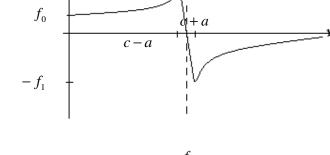
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Doppler effect for sound:

$$f = f_0 \frac{c}{c - v}$$
 (Frequency means energy)

Mathematical graphic





 $y = mv + f_n$ \Leftrightarrow $y = -\frac{f_1}{a}(c - v)$

where f_n is the value of y for v=0, $f_{l=}$ is the maximum of the curve, c+a and c-a are the values of v for maximums

The real graphic gives a simple explanation for the double sonic boom.