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signal processing and
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Massachusetts Institute of Technology 2.017. Let $p(x,t) = P_0 \sin(t - kx)$ Insert this in the wave equation:
$$-P_0 k^2 \sin(\dots) = -[\dots / E]$$
$$] P_0 \omega^2 \sin(\dots) [\dots / k]^2 = E / \text{Wave speed } c$$
$$k = [E \dots$$

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This is sound speed in
fluid, independent of
pressure, or frequency. In
water:

Basic Physics of Underwater
Acoustics

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Hirschberg Eindhoven

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become one of the major

technologies used in the

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between sound and underwater surfaces and structures. The principal function of the SIGUA is to provide a forum for researchers, practitioners and users of underwater acoustics, covering analysis, modelling, synthesis, and measurement, across all possible underwater applications.

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hydrophone stations use underwater microphones
hydrophones attached to cables anchored to the

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seabed 50 100 km offshore and connected by cable to a land facility for data transmission they are extremely sensitive and pick up acoustic waves from underwater events including explosions vast distances away underwater acoustics for everyone discovery of sound in the sea

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