BBC Loudspeakers Thin Wall Principle

Talk with Derek Hughes and Paul Graham - Freitag 27. März, 13 Uhr

This principle originated from the BBC's research in the 1970s, particularly in the design of studio monitors, which aimed to minimize the influence of the speaker cabinet on sound reproduction. It had a significant impact on the development of high-quality speakers. (P.G.)

Derek Hughes

Paul Graham

The core idea behind the Thin Wall Principle is that a loudspeaker's enclosure should be as non-resonant as possible to avoid coloration of the sound, which can be caused by the walls of a typical speaker box vibrating or "resonating" in response to the sound pressure inside.

The principle promotes the use of thinner, more flexible walls for speaker enclosures, combined with careful internal damping and bracing to control resonance and maintain sound accuracy. This approach stands in contrast to traditional designs that used thicker, heavier cabinets to minimize resonance. The result is a speaker that offers more accurate and natural sound, with fewer distortions caused by the cabinet itself.

grahamaudio.co.uk/whatwedo

Derek Hughes and **Paul Graham** of Graham Audio have been instrumental in bringing this concept to modern loudspeakers, particularly through their range of high-fidelity speakers that continue to apply the BBC's research principles. Both Hughes and Graham were deeply involved in the development of BBC loudspeakers and have continued to refine and implement the Thin Wall Principle in their own designs.

In their designs, they have emphasized the importance of precision in the materials used, as well as attention to detail in the construction of the cabinet to ensure the acoustics remain pure. Their work continues to keep the BBC legacy alive, pushing forward the Thin Wall Principle while adapting it to meet the demands of modern audio enthusiasts and professional environments.

Landenberghaus Erdgeschoss
Analog Bistro der AAA

Freitag 27. März 2026
13 Uhr

Dauer ca. 45 Minuten
Vortrag in Englisch

Musikanlage von ...