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Dynamic Noise Cancellation Using Wave Superpositioning

Division: Génie et sciences de l'informatique

Catégorie: Sénior

Région: Toronto

Ville: Maple, ON

École: Marc Garneau Collegiate Institute

Sommaire: A set of noise-reducing headphones was constructed using the fundamental principle of wave-superpositioning. The final design included dynamic amplitude compensation and was based upon the manipulation of an integrated circuit. The desired effect was achieved to a reasonable degree, with potential improvements lying in circuit optimization and variable frequency cancellation.

Prix	Valeur
Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Mention honorable - Génie - Sénior	100,00 \$
Commanditaire: Fondation sciences jeunesse Canada	
Médaille de bronze - Technologie automobile - Sénior	300,00 \$
Commanditaire: AUTO21	
Total	1 400,00 \$

