Correlation based methods for ultrasound blood velocity estimation : a comparative study

Assertions (Stellingen)
accompanying the thesis

Correlation Based Methods for Ultrasound Blood Velocity Estimation

by

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I. With ultrasound you can see what you cannot hear.

II. The new wideband version of the cross-correlation model method leads to simultaneous improvement of accuracy and spatial resolution in ultrasound blood velocity measurements (this thesis).

III. The accuracy of the maximum likelihood velocity estimator is acceptable only for a limited range of processing conditions (this thesis).

IV. The wideband cross-correlation model estimator provides consistently better velocity precision than the maximum likelihood velocity estimator (this thesis).

V. The secret of success lies in the ability to attain goals that seem beyond reach.

VI. Disappointments result from excessively high expectations. Avoidance of disappointments demands the identification of realistic expectations which is a prediction problem.

VII. Language is a mirror for society.

VIII. Concentrating on nothing is everything but simple.

IX. Every person is an irrational convex combination of extreme points.

X. Stellingen zijn voor een proefschrift wat stempelposten zijn voor de Elfstedentocht.