

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

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Assertions (Stellingen)
accompanying the thesis

**Correlation Based Methods for Ultrasound
Blood Velocity Estimation**

by
Elena Štúriková

- 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.