0.1 Coefficient of Repeatability

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Barnhart emphasizes the importance of repeatability as part of an overall method comparison study. Before there can be good agreement between two methods, a method must have good agreement with itself. The coefficient of repeatability , as proposed by **?** is an important feature of both Carstensen's and Roy's methodologies. The coefficient is calculated from the residual standard deviation (i.e. $1.96 \times \sqrt{2} \times \sigma_m = 2.83\sigma_m$).

The coefficient of repeatability is a measure of how well a measurement method agrees with itself over replicate measurements (**?**). Once the within-item variability is known, the computation of the coefficients of repeatability for both methods is straightforward.