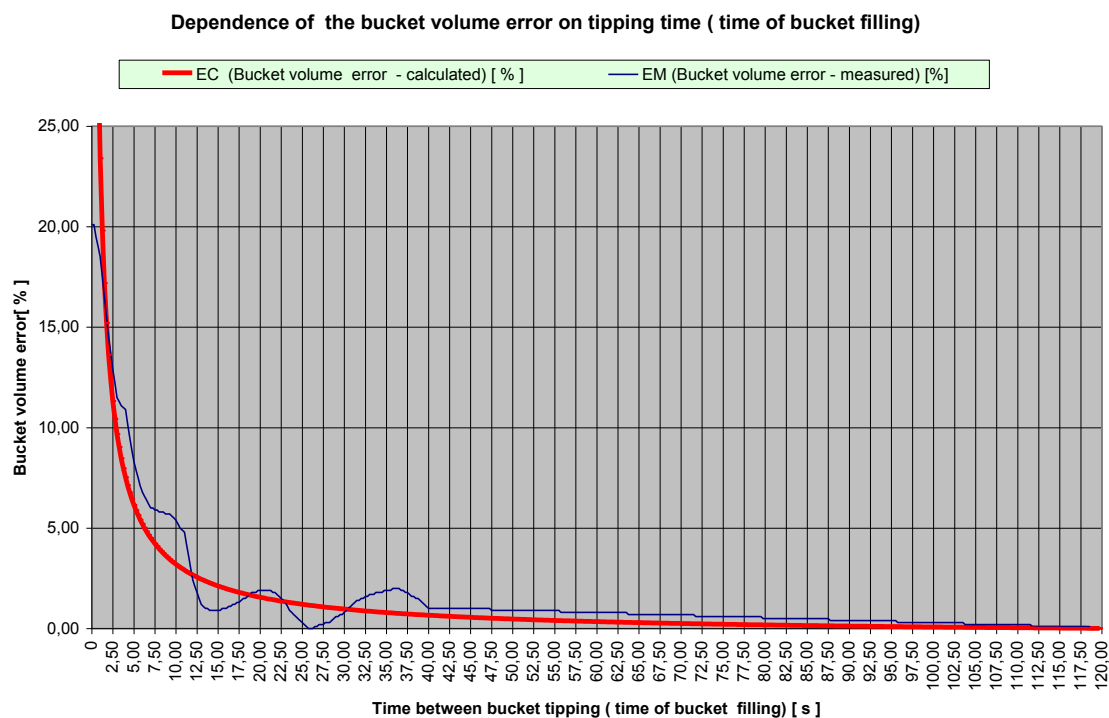


# Correction Curve for MR3, MR3H

## - specification



Please see table in enclosed file “Correction curve MR3 2008.xls”. There are four columns. The first (from the left ) shows the time between bucket tipping (in seconds, the step is 0,25s). The last ( the most right, marked as EM) shows representative really measured values of the bucket volume error (in per cent) depending on the time between individual bucket tipping (i.e. precipitation intensity). This dependence is displayed in graph by blue colour. **Values from this column are used for output correction in control units of MR3H-FC rain gauges.**

Values in the second column ( from the left , marked as EC) are calculated according approximate curve ( red colour in graph). They can be used for less accurate correction.

The correction programming procedure is obvious. The time between tipping has to be monitored, the **missing** precipitation volumes registered (added) according this time and 0.1 mm of precipitation has to be added to the output value always after reaching one bucket volume (i.e. 100 per cent). At the same time the value of error register is reduced by 100 % and rest is left for next calculation.

To state the read error more precisely we recommend that the bucket volume error value should be added multiplied by 10 and the “extra” value of 0.1 mm o precipitation should be sent after the value in the error sum register reaches 1000.

For METEOSERVIS v.o.s.  
Chalupský