

# Errata

*Jarkko Jussila: Analog Baseband Circuits for WCDMA Direct-Conversion Receivers*

The first paragraph of Subsection 6.3.8 should read:

## **6.3.8 Linearity**

The opamp typically determines the linearity of an opamp-RC integrator, since the switches of the capacitor matrix are connected to virtual ground. In weakly nonlinear systems, as in filters, it is sufficient to consider only the second- and third-order distortion terms. The distortion produced by an opamp can be reduced with a large loop gain when the feedback network is linear. The large loop gain does not mitigate the nonlinearities of the feedback network, which has therefore to be highly linear [43]. The open loop gain of an opamp reduces as a function of frequency. If the feedback network is not frequency-dependent, the linearity of the feedback system is therefore degraded at higher frequencies.