Correction to the paper in Z. Anal. Anw. 13 (1994)3, 513 - 535

## Asymptotic Expansions for Regularization Methods of Linear Fully Implicit Differential-Algebraic Equations

## M. Hanke

Caused by a regrettable error of the editors, in the above paper on p. 521 two figures were missing. The corresponding passage has to be read as follows:

**Example:** Both parametrizations (2.14) and (2.20) have a nice interpretation for some differential-algebraic equations describing electrical networks. Consider the electrical circuit of Figure 1.



The circuit equations are

 $i_1' = -L^{-1}v_0$ 0 =  $i_1 - I_0$ .

Taking into account the inner resistance of the current source, a better model would be the circuit given in Figure 2 with a large R. Now, the equations read

$$i'_{1} = -L^{-1}v_{0}$$
  
$$0 = i_{1} + LR^{-1}i'_{1} - I_{0}.$$

Letting  $R = \epsilon^{-1}L$  we just obtain (2.20). The parametrization (2.14) arises if, additionally, the inductivity L is perturbed by a factor  $1 + \epsilon$ .

M. Hanke: Humboldt-Universität zu Berlin, FB Math., PSF 1297, D - 10099 Berlin