Dilatations and a « Model » Field Theory with Indefinite Metric.

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Page 71: the following sentence:

The transformed Lagrangian is

$$\mathcal{L}' = S\mathcal{L}'S^{-1} = \frac{1}{2} \left(\frac{\partial \varphi(\lambda x)}{\partial x_\mu} \frac{\partial \varphi(\lambda x)}{\partial x_\mu} - \lambda^2 m^2 \varphi(\lambda x) \right)$$

should read as follows:

The Lagrangian for the transformed field $\lambda\varphi(\lambda x)$ is

$$\mathcal{L}' = \lambda^{-4} \frac{1}{2} \left[\frac{\partial \lambda\varphi(\lambda x)}{\partial x_\mu} \frac{\partial \lambda\varphi(\lambda x)}{\partial x_\mu} - \lambda^2 m^2 (\lambda\varphi(\lambda x))^2 \right].$$

Furthermore, in all the subsequent formulae please replace $\varphi(\lambda x)$ by $\lambda\varphi(\lambda x)$.