Errata: Spin-dynamics in cold gases of  $^{87}Rb$  and atomic hydrogen by Otto Vainio, 2012.

On page 26, equation (3.5) should be:

$$\frac{\partial S_{+}}{\partial t} = \frac{D_0(1 - i\mu\epsilon S_z)}{1 + \mu^2 S^2} \nabla^2 S_{+} - i\gamma \delta H_0 S_{+}$$

On page 53, equation (3.22) should be:

$$i\frac{\partial S_{+}}{\partial t} = D_0 \frac{\epsilon}{\mu} \nabla^2 S_{+} + \gamma \delta H_0 S_{+}.$$