





$$\frac{dx}{dt} = A x + F(x)$$

where  $F(x)$

(2)



where  $E_0 = \mathbf{k}^{E(\mathcal{F})} d\mathcal{F}$ ,  $E_1 = \mathbf{k}^{E(\mathcal{F})}$

$$+ f C_g$$

are optimized repeatedly with respect to the optimization steps (Fig. 2).

**Assimilation effectiveness**

