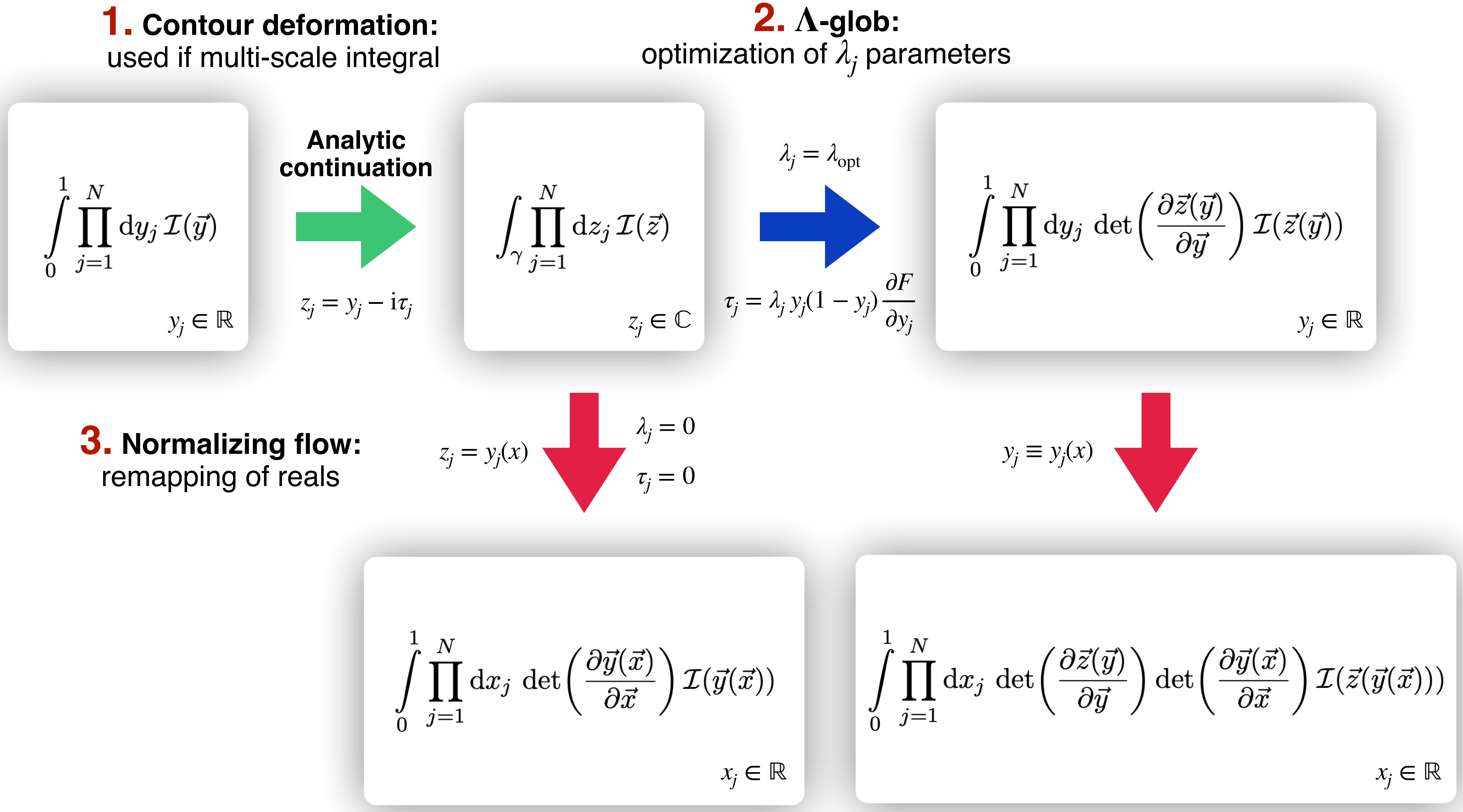

1. Contour deformation:
used if multi-scale integral
2. Λ-glob:
optimization of λ_j parameters
3. Normalizing flow:
remapping of reals
$\int_0^1 \prod_{j=1}^{N} \mathrm{d}y_j \, \mathcal{I}(\vec{y})$
$y_j \in \mathbb{R}$
Analytic continuation
$z_j = y_j - \mathrm{i}\tau_j$
$\int_\gamma \prod_{j=1}^{N} \mathrm{d}z_j \, \mathcal{I}(\vec{z})$
$z_j \in \mathbb{C}$
$\lambda_j = \lambda_{\mathrm{opt}}$
$\tau_j = \lambda_j \, y_j(1-y_j) \frac{\partial F}{\partial y_j}$
$\int_0^1 \prod_{j=1}^{N} \mathrm{d}y_j \, \det\left(\frac{\partial \vec{z}(\vec{y})}{\partial \vec{y}}\right) \mathcal{I}(\vec{z}(\vec{y}))$
$y_j \in \mathbb{R}$
$z_j = y_j(x)$
$\lambda_j = 0$
$\tau_j = 0$
$y_j \equiv y_j(x)$
$\int_0^1 \prod_{j=1}^{N} \mathrm{d}x_j \, \det\left(\frac{\partial \vec{y}(\vec{x})}{\partial \vec{x}}\right) \mathcal{I}(\vec{y}(\vec{x}))$
$x_j \in \mathbb{R}$
$\int_0^1 \prod_{j=1}^{N} \mathrm{d}x_j \, \det\left(\frac{\partial \vec{z}(\vec{y})}{\partial \vec{y}}\right) \det\left(\frac{\partial \vec{y}(\vec{x})}{\partial \vec{x}}\right) \mathcal{I}(\vec{z}(\vec{y}(\vec{x})))$
$x_j \in \mathbb{R}$