$$A(X|\Lambda) = \min\left\{1, \frac{\pi(x_T, \lambda_T)}{\pi(x_0, \lambda_0)} \frac{P(\tilde{\Lambda}|\tilde{x}_T, \lambda_T)}{P(\Lambda|x_0, \lambda_0)} \frac{\tilde{\alpha}(\tilde{X})}{\alpha(X)} e^{-\Delta S(X)}\right\}$$