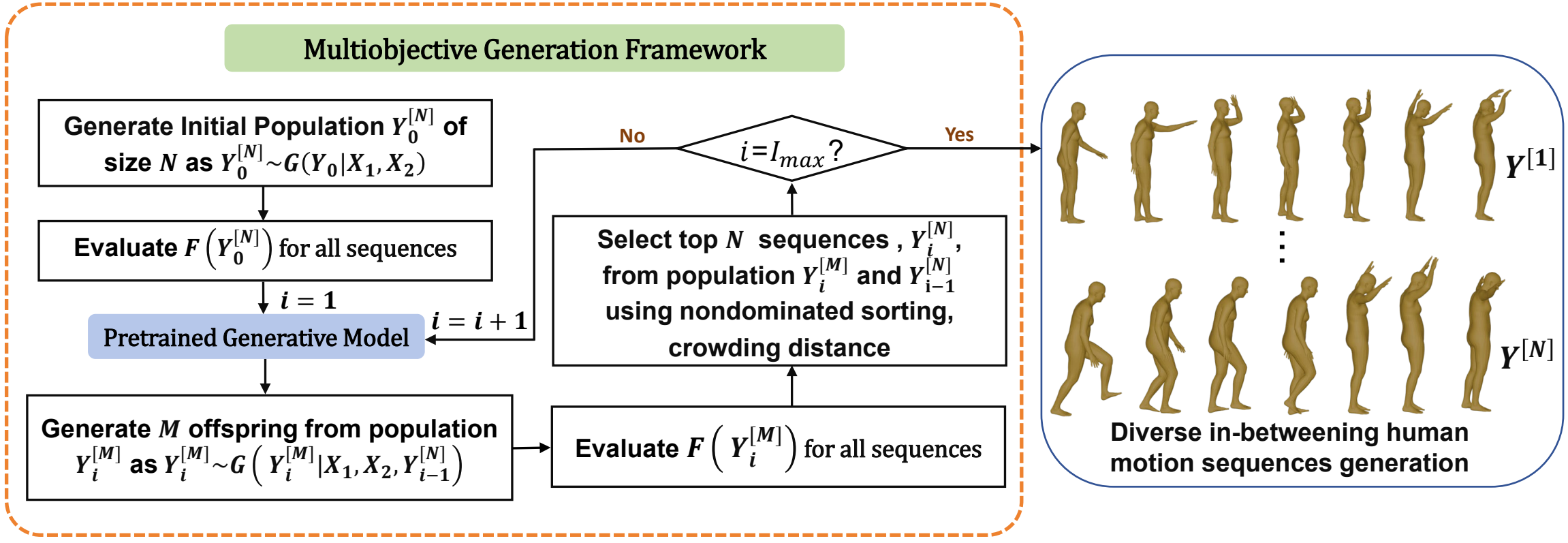
Multiobjective Generation Framework
Generate Initial Population $Y_0^{[N]}$ of size N as $Y_0^{[N]} \sim G(Y_0|X_1, X_2)$
Evaluate $F\left(Y_0^{[N]}\right)$ for all sequences
$i = 1$
Pretrained Generative Model
Generate M offspring from population $Y_i^{[M]}$ as $Y_i^{[M]} \sim G\left(Y_i^{[M]}|X_1, X_2, Y_{i-1}^{[N]}\right)$
Evaluate $F\left(Y_i^{[M]}\right)$ for all sequences
Select top N sequences , $Y_i^{[N]}$, from population $Y_i^{[M]}$ and $Y_{i-1}^{[N]}$ using nondominated sorting, crowding distance
$i = i + 1$
No
$i = I_{max}$?
Yes
$Y^{[1]}$
$Y^{[N]}$
Diverse in-betweening human motion sequences generation