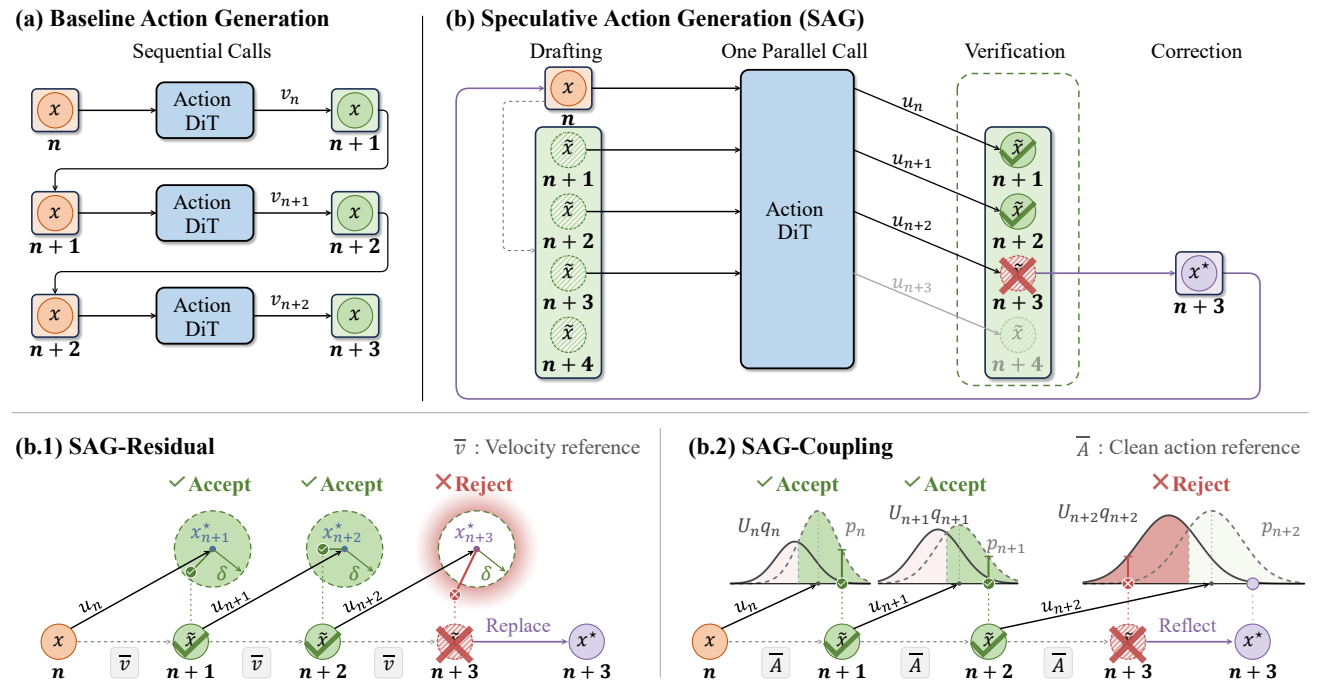
(a) Baseline Action Generation
Sequential Calls
Action DiT
(b) Speculative Action Generation (SAG)
Drafting
One Parallel Call
Verification
Correction
Action DiT
(b.1) SAG-Residual
$\overline{v}$: Velocity reference
Accept
Accept
Reject
Replace
(b.2) SAG-Coupling
$\overline{A}$: Clean action reference
Accept
Accept
Reject
Reflect