List of Experiments Performed -

Architecture	Env	Buffer	N	Refresh	State	Sync Target	Epsilon	LR	Other Settings	Succ
		Size		Buffer	History	Network Steps	Decay	Decay		ess
DQN	CartPole	1000	1	Incompat	{1,2,4}	{5,25}	{T,F}	{T,F}	train_step_freq = 64	Yes
DQN	CartPole	1000	3	Incompat	{1,2,4}	{5,25}	{T,F}	{T,F}	train_step_freq = 64	Yes
DQN	CartPole	10000	1	Incompat	{1,2,4}	{5,25}	{T,F}	{T,F}	train_step_freq = 64	Yes
DQN	CartPole	10000	3	Incompat	{1,2,4}	{5,25}	{T,F}	{T,F}	train_step_freq = 64	Yes
ICM+A2C	{CartPol e,Atari}	1000	1	True	{1,2,3,4 }	{5,25,125,1k}	{T,F}	{T,F}	- train_step_freq = 64 - Varying loss	No
ICM+A2C	{CartPol e,Atari}	10000	1	True	{1,2,3,4 }	{5,25,125,1k}	{T,F}	{T,F}	hyperparams to control values of	No
ICM+A2C	{CartPol e,Atari}	100000	1	True	{1,2,3,4 }	{5,25,125,1k}	{T,F}	{T,F}	actor/critic/entropy/f orward/inverse losses	No
ICM+A2C	{CartPol e,Atari}	1000	3	True	{1,2,3,4 }	{5,25,125,1k}	{T,F}	{T,F}	- Varying update frequency param	No
ICM+A2C	{CartPol e,Atari}	10000	3	True	{1,2,3,4 }	{5,25,125,1k}	{T,F}	{T,F}	update for icm and a2c module - Turning on/ off sticky_actions {1,4 steps} - Skip frames {1,4 frames} - gradient clipping {on/off} - policy_train_delay by 2k episodes {on/off}	No
ICM+A2C	{CartPol e,Atari}	100000	3	True	{1,2,3,4}	{5,25,125,1k}	{T,F}	{T,F}		No

- * Note settings are described in settings.py file
- * {a,b,c} means that the entire set of values were tried.

- DQN Returns

