Mario AI Benchmark 1 . Setup options.

Option key	Description	Values range	Example
-echo	Output all command line options to console after initialization	<on off>. Default: off</on off>	Main -echo on
-ag	AgentName should extend ReableAgent in order for the native agent to be available from command line	AgentName or Agents implementations. Default: HumanKeyboardAgent	Main -ag ForwardAgent
-ze	Observation Detalization for Enemies. 0 - The most detailed	<0 1 2>. Default: 0	Main -ze 0
-vis	Enable Visualization	<on off>. Default: off</on off>	Main -vis on
-vaot	Set main View to be on top of other windows	<on off>. Default: off</on off>	Main -vaot on
-t1	Time limit. Option value: [1MAX-INT], units: marioseconds (1 MrSEC == 16 interactions with Environment). To give to the Agent the opportunity of infinitie time per level use Option value = -1	<int>. Default: 200</int>	Main -tl 42
-pw	Pause of the World. Freezes animation all the sprites and disables Mario inter- action with creatures. Mario still can run and get level observation	<on off>. Default: off</on off>	Main -pw on
-pr	Enable Power restoration. Enable Power restoration by pressing speed button (A on a keyboard)	<on off>. Default: off</on off>	Main -pr on
-ewf	Exit program when simulation is over	<on off>. Default: on</on off>	Main -ewf off
-gv	Enable Game Viewer	<on off>. Default: off</on off>	Main -gv on
-gvc	Enable Continuous Updates in GameViewer	<on off>. Default: off</on off>	Main -gvc on
-rfw	Set receptive field width	Any odd number $\in (0, -ll)$. Default: 19.	Main -rfw 5
-rfh	Set receptive field height	Any odd number $\in (0, -lh)$. Default: 19.	Main -rfh 7
-srf	eceptive field (grid) visible	<on off> Default: off</on off>	Main -srf on
-mm	Mario Mode. 0 – small,1 - large, 2 - large ability is available	<0 1 2>. Default: 2	Main -mm 1

¹v-0.1 % a compliant

Option key	Description	Values range	Example
-fps	Change FPS. 100 enables max FPS	<pre><integers [1100]="" in="">. Default: 24</integers></pre>	Main -fps 50
-lt	Level type. 0 - Overground, 1 - Underground, 2 - Castle	<0 1 2>. Default: 0	Main -lt 1
-ls	Level (Randomization) Seed	<pre><integers [1maxint]="" in="">. Default: 0</integers></pre>	Main -ls 42
-11	Level length	<pre><integers [14096]="" in="">. Default: 320</integers></pre>	Main -ll 550
-lh	Level height	<pre><integers [14096]="" in="">. Default: 15</integers></pre>	Main -lh 18
-ld	Level Difficulty	<pre><integers [0maxint]="" in="">. Default: 0</integers></pre>	Main -ld 5
-lde	Enable/disable dead ends on the level	<on off>. Default: off</on off>	Main -lde on
-lc	Enable/disable cannons on the level	<on off>. Default: on</on off>	Main -lc off
-lhs	Enable/Disable hills on the level	<on off>. Default: on</on off>	Main -lhs off
-ltb	Enable/Disable tubes on the level	<on off>. Default: on</on off>	Main -ltb off
-lg	Enable/Disable gaps on the level	<on off>. Default: on</on off>	Main -lg off
-lhb	Enable/Disable hidden blocks on the level ²	<on off>. Default: off</on off>	Main -lhb off
-le	Customize creatures on the level. Creatures, that will be on the level are defined with first letter of the creature kind: Creature Short name Goomba Goomba Goomba Winged Green Koopa Winged gk Red Koopa Winged gk Red Koopa Winged Spiky Winged gk Spiky Winged gk For more details and examples see marioai-lvlgen-options-usage.pdf	List of creatures separated by comma. Default "" mpty string)	Main -le off
-lb	Enable/Disable visible blocks on the	<on off>. Default: on</on off>	Main -lb off
100	level Enable/Disable going on the level	con off Defaults on	Main las aff
-lco -lf	Enable/Disable coins on the level	<on off>. Default: on</on off>	Main -lco off
	Create flat level	<on off>. Default: off</on off>	Main -lf on
-stop	Run benchmark and stop a game- play. To continue a gameplay press a SPACEBAR key.	<on off>. Default: off</on off>	Main -stop on

Table 1: Setup options for the Mario AI benchmark. Options can be set up via CmdLineOptions.setArgs() method that accepts both array of strings and a single string or by setting individual options with corresponding methods.