Table 1: Detailed Tool Characterization

Navigation Strategy

Tool Name

Invocation Strategy

Value Generation

Stratogy

Tyme

Columbro Columbro										0 0						Strategy				Type									
AppDoctor		GUI Ex- ploration		tion				arat.	tion	hing			Device Manip.		tion	Fixed		polic	istic	tives	jects	•							
AppDoctor		GUI Events	System Events	Activity	GUI Callbacks	Lifecycle callbacks	External Callbacks	Framework Event Gene Code Extrac	Code Extrac	Forced Branc	Android Framework	Arbitrary	Device Configuration	Sensor Emulation	Server Simula	Default	Random	Syml	Heur	Generic Primit	Generic Obj	Files	Location	SMS	Intents	Sensor Values	HTTP Requests	Selected Callback Inputs	
EBIBroid	AppDoctor	✓	√		√	✓							√			V			√	√								V	
ShowDrop	Crashscope	√	√											√			√		V	√		√				√			
FAX V	EHBDroid				√	√	√									√			√	✓								V	
DALT	SnowDrop										√								√						√				
COLUMBUS	FAX	√		V		✓												√							√				
Condition	DALT			√		✓										V		√	√						√				
Brahmastra	COLUMBUS				√	✓	V											√	V	√	√								
GroddDroid	ConDroid				√	✓					1					V		√	V	√		√						V	
IntelliDroid	Brahmastra			V	√														V									V	
Harvester	GroddDroid	√								V																			
FuzzDroid	IntelliDroid							~					~					~		V			√	~					
MALTON	Harvester								√	V																		П	
Droid-ANTIRM	FuzzDroid	√	√								√		√			V	√	√	V	V		√							
SMARTGEN	MALTON	√								V	√	√						√		√									
DirectDroid	Droid-ANTIRM									√																			
ARES	SMARTGEN				√													√	√	√								V	
MoSSot	DirectDroid							√		√	√							✓	√	√		√	√	√					
CAR V	ARES	✓								1																			
COBWEB V V V V V V	MoSSot	√													√	√	√		V			√					√		
					1	✓	V					✓						✓	√	✓	√								
SIEVE V V	COBWEB	✓	✓											1		1			√	✓		✓				✓			
	SIEVE	✓	✓							1																			