LITERATURE_RELATIONSHIP

REF	LIT_OPERATOR	DESCRIPTION	RELATED_TO
Jabbarvand and Malek	**LUF_T, LUF_D**	Increase Location Update Frequency	**DVO**
	LRP_C, LRP_A	Change Location Request Provider	**RLPDR**
	RLU, RLU_P, RLU_D	Redundant Location Update	**DDM**
	LKL	Voiding Last Known Location	**RCTDGM**
	UAB	Unnecessary Active Bluetooth	**SCDM**
	FDB_H, FDB_S	Frequently Discover Bluetooth Devices	**DVO**
	RBD	Redundant Bluetooth Discovery	**DDM**
Linares-Vásquez et al.	**NullGPSLocation**	Inject a Null GPS location in the location services	**NDID**
	BluetoothAdapterAlwaysEnabled	Replace a BluetoothAdapter.isEnabled() call with“true”	**SCDM**
	NullBluetoothAdapter	Replace a BluetoothAdapter instance with null	**NDID**
Deng et al.	**LCM**	injects code to modify the attribute values of every location variable, in terms of its latitude, longitude, altitude, and speed, with pre-defined values	**RCTDGM**
Liu et al.	**NullLocation**	Replace a BluetoothAdapter instance with null	**NDID**
	NullBluetoothAdapter	Inject a Null GPS location in the location services	**NDID**

Lin Deng, Jeff Offutt, and David Samudio. 2017. **Is Mutation Analysis Effective at Testing Android Apps?**. In 2017 IEEE International Conference on Software Quality, Reliability and Security (QRS). IEEE, Prague, Czech Republic, 86–93. doi:10.1109/QRS.2017.19

Reyhaneh Jabbarvand and Sam Malek. 2017. **μDroid: an energy-aware mutation testing framework for Android.** In Proceedings of the 2017 11th Joint Meeting on Foundations of Software Engineering (ESEC/FSE 2017). Association for Computing Machinery, New York, NY, USA, 208–219. doi:10.1145/3106237.3106244

Mario Linares-Vásquez, Gabriele Bavota, Michele Tufano, Kevin Moran, Massimiliano Di Penta, Christopher Vendome, Carlos Bernal-Cárdenas, and Denys Poshyvanyk. 2017. **Enabling mutation testing for Android apps.** In Proceedings of the 2017 11th Joint Meeting on Foundations of Software Engineering (Paderborn, Germany) (ESEC/FSE 2017). Association for Computing Machinery, New York, NY, USA, 233–244. doi:10.1145/3106237.3106275

Jian Liu, Xusheng Xiao, Lihua Xu, Liang Dou, and Andy Podgurski. 2020. **Droid-Mutator: an effective mutation analysis tool for Android applications.** In Proceedings of the ACM/IEEE 42nd International Conference on Software Engineering: Companion Proceedings (Seoul, South Korea) (ICSE '20). Association for Computing Machinery, New York, NY, USA, 77–80. doi:10.1145/3377812.3382134