List of packages implementing functions for bipartite network randomization. This is a dynamic table associated to the paper *Pattern detection in bipartite networks: a review of terminology, applications and methods*, by Zachary Neal, Annabel Cadieux, Diego Garlaschelli, Nicholas J. Gotelli, Fabio Saracco, Tiziano Squartini, Shade T. Shutters, Werner Ulrich, Guanyang Wang and Giovanni Strona. Last updated May 14, 2024.

Algorithm	Language	Package	Notes	URL
FF	♠Python	NETWORKIT	Curveball implementation.	GitHub hyperlink
EF FE FF	R	PICANTE		CRAN hyperlink
FF	♠Python	ANURAN		GitHub hyperlink
PP	♠Python	BICM	BICM implements both the binary and the weighted version of the Bipartite Configuration Model. It also implements the validated projection of binary, bipartite networks.	GitHub hyperlink
PP	R	BIPARTITE.R	BIPARTITE.R is an R script (to not be confounded with the BIPARTITE package) that implements the binary, weighted and enhanced versions of the Bipartite Configuration Model.	Figshare hyperlink
PP	♠Python	FIT_BICM	FIT_BICM implements the binary, weighted and enhanced versions of the Bipartite Configuration Model.	Figshare hyperlink
PP	♠Python	NEMtropy	NEMtropy implements a set of monopartite and bipartite benchmarks, defined by the maximization of Shannon entropy under soft constraints. NEMtropy includes BICM.	GitHub hyperlink
FF EE PP	R	INCIDENTALLY		GitHub hyperlink
EE FE EF FF PP EP FP PE PF	R	ECOSIMR		CRAN hyperlink
PE EP FF EE	R	VEGAN		RForge hyperlink
FF EE	R	BIPARTITE		CRAN hyperlink
FF PP FE EF	R	BACKBONE		CRAN hyperlink