
A rumple is a left quasigroup satisfying the left Rump identity \((xy)(xz) = (yx)(yz)\). It was proven by Wolfgang Rump that there is a one-to-one correspondence between non-degenerate involutive solutions of the Yang-Baxter equation and bijective rumuples. We construct a (co)homology theory for non-degenerate involutive solutions of the Yang-Baxter equation and define cocycle link invariants. (Received January 28, 2019)