A Study on Weddernburn – Artin Theorem for Rings

Authors : Fahad Suleiman, Sammani Abdullahi

Abstract : The study depicts that a Wedderburn Artin – theorem for rings is considered to be a semisimple ring R which is isomorphic to a product of finitely many mi by mi matrix rings over division rings Di, for some integers n_i, both of which are uniquely determined up to permutation of the index i. It has been concluded that when R is simple the Wedderburn – Artin theorem is known as Wedderburn's theorem.