CONTROL OF THE GRINDING CIRCUIT IN CEMENT INDUSTRIES USING FUZZY EXPERT SYSTEMS

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This paper establishes the result using the data taken from Vincent Van Breusegem et al [1996]. The range of set points of the separator speed, fresh feed rate and finished product are converted into fuzzy expert systems. Here we define two fuzzy membership functions for set points of the fresh feed rate and finished product and using logic operation to obtain the rules of fuzzy expert systems. Finally using max-min rule, the exact set points of the separator speed are obtained to ensure the expected fineness of cement or finished product.