

Can a femto base station solve a computation offloading problem?

Currently, many studies mainly focus on computation offloading problem with only macro base station (MBS) [11,12,13]. However, MBS signals may not provide sufficient coverage for MUs situated beyond the MBS. Several studies recommend implementing femto base station (FBS) to solve this problem [14,15,16,17,18].

How does resource availability affect the price of MBS and FBS?

From the figure, it can be observed that both  $(P_m^*)$  and  $(P_f^*)$  exhibit a decreasing trend with the increase in the total resource availability of MBS. In case of limited resource, the allocated resource to MUs and FBS will also be reduced, resulting in higher price for both MBS and FBS.

Should a femto base station be implemented?

Several studies recommend implementing femto base station (FBS) to solve this problem [14,15,16,17,18]. FBS is a smaller base station with shorter transmission distance and lower operating cost compared to MBS.

What is Computation offloading for multicell network in MEC?

Many scholars have conducted relevant research on computation offloading for multicell network in MEC [19, 20, 21, 22, 23]. These works mainly use joint optimization or game theory methods to solve the computation offloading and resource allocation issues in cellular networks, aiming to minimize user energy consumption and latency.

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