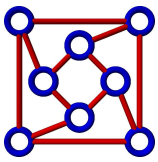

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ON PATH-KIPAS RAMSEY NUMBERS

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For two given graphs G_1 and G_2, the Ramsey number $R(G_1, G_2)$ is the least integer r such that for every graph G on r vertices, either G contains a G_1 or $\overline{G}$ contains a G_2. We use P_n to denote the path on n vertices, and $\widehat{K}_m$ the kipas on $m+1$ vertices, i.e., the graph obtained by joining K_1 with every vertex of P_m. In this talk, we determine the exact value of the path-kipas Ramsey numbers $R(P_n, \widehat{K}_m)$ for all n, m.