

Title: Disk presentations of surface-knots and -links
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We introduce a new way of presenting surface-knots and -links in S^4 , called disk presentation. This enables us to define the disk index $\Delta(F)$ of a surface-knot or -link F . We prove that $\Delta(F) = 2$ if and only if F is a trivial S^2 -knot, and $\Delta(F) = 3$ if and only if F is a trivial non-orientable surface-knot with $|e(F)| \leq 3 - \chi(F)$, where $e(F)$ is the normal Euler number of F and $\chi(F)$ is the Euler characteristic of F .