

## rdknot

The parameters describing a knotted loop are read from file.

[called by: [xoptim](#).]

[calls: [knotxx](#).]

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#### 1.1 overview

1. This routine is called by [xoptim](#) only if [Itopology](#) = 2.
2. A knot is a closed curve in three-dimensional space.
3. The parameters describing the knot, namely [xkc](#), [ykc](#) and [zkc](#), are read from [knot](#).
4. If [kspring](#) > 0, the knot is “relaxed” to minimize the “spring energy” using [D02BHF](#).
6. [C05PDF](#) is used to assign [xsurf](#), [ysurf](#) and [zsurf](#), which are primarily used for diagnostics.