

and if properly configured could enclose area.

This is significant because the act of splitting the atoms will separate the atom clouds benefit of splitting with optical fields is the momentum of the split atoms is $> 10 \text{ mm/s}$. There have been several demonstrations of atom interferometers that do not enclose area. The splitting and recombination mechanisms fall into a few broad categories: and a few milliwatts of power is more than enough power to split the atoms. Another

physical gratings [104], **magnetic field potentials** [105], **optical double well potentials** [106], **dressed RF dressed potentials** [107], and **optical standing waves** [99]. Several of these methods have drawbacks that would make it difficult to use these splitting methods in a broadly applicable device. Physical gratings require precise micro/nano machining, and splitting with optical fields does not exhibit phase reproducibility. Splitting coherently splitting with magnetic fields requires precise control of the magnetic fields, and splitting with optical potentials does not exhibit phase reproducibility. Splitting with RF dressed potentials is straight forward and has demonstrated coherent phase reproducibility. Splitting with an optical standing wave is a good splitting method in

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We have already argued why we need splitting literals in the above clauses, and why no further change is possible. Then in type C₂, instead of Ngr in type C₁, we have Ngr in place of the set $\{\text{Ngr}\}$. This is done only when Ngr is non-ground, and we need more steps to complete the tableau. In type C₃, we have Ngr in place of Ngr in type C₂. In type C₄, we have Ngr instead of Ngr in type C₃. In type C₅, we have Ngr instead of Ngr in type C₄. In type C₆, we have Ngr instead of Ngr in type C₅. In type C₇, we have Ngr instead of Ngr in type C₆. In type C₈, we have Ngr instead of Ngr in type C₇. In type C₉, we have Ngr instead of Ngr in type C₈. In type C₁₀, we have Ngr instead of Ngr in type C₉. In type C₁₁, we have Ngr instead of Ngr in type C₁₀. We have to do this until we reach a closed tableau.

Captain Kirk's infinitive

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be used with an adverb such as *boldly*. At the beginning of each televised *Star Trek*

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expected him to say *To go boldly* or *Boldly to go*, so that the adverb didn't split the

***boldly go*. This is an example of a split infinitive. Captain Kirk's teacher might have**

***infinitive*. If Captain Kirk had been a Roman space traveler, speaking Latin, he would**

expected him to say *To go boldly* or *Boldly to go*, so that the adverb didn't split the

have used the expressions *ire* ("to go") and *audacter* ("boldly"). Now, in saying *Ire*

***infinitive*. If Captain Kirk had been a Roman space traveler, speaking Latin, he would**

***audacter* ... in Latin, Capitaneus Kirkus would not even have the opportunity to split**

have used the expressions *ire* ("to go") and *audacter* ("boldly"). Now, in saying *Ire*

***his infinitive* (*ire*), because Latin infinitives are single words and just do not split.**

***audacter* ... in Latin, Capitaneus Kirkus would not even have the opportunity to split**

It would be very appropriate in Latin grammar to say you cannot split an infinitive.

***his infinitive* (*ire*), because Latin infinitives are single words and just do not split.**

But is it appropriate to carry this idea over into English where the infinitive form does

not consist of a single word, but of two words, *to* and *go*? If it is a typical feature of the

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***solemnly swear* or *to never ever say goodbye*, then we may simply wish to note that**

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there are structures in English that differ from those found in Latin, rather than think of

***solemnly swear* or *to never ever say goodbye*, then we may simply wish to note that**

the English forms as "bad" because they are breaking a rule of Latin grammar.