

Name:

Student number:

Introduction to English for Scientific Communication: Quiz 4

Tuesday 3rd June

Part 1: Each of the sentences below contains the misuse of at least one pronoun. Find it (them) and fix the problem(s). Some sentences may contain unrelated problems, fix these as well.

1. This analysis is analogous to the one in Fujisawa's work.
2. The function G is very important in our model, which is defined by $G = [d\vartheta F]$.
3. The corrections to these constant gauge parameters are calculated in Ref. 1. It suggests a significant effect.
4. The derivations given in this paper are quite similar to the ones presented in Ref. [3].
5. We then obtain the expression $u = \int dx F(x) / [cx + g(x)]$, where c is a constant. We discuss its value in Sec.2.

Part 2. Read and rewrite the sentences below as instructed.

Sentence 1: Make the modifier a non-defining modifier and explain the difference in meaning between the sentences.

The pen that I borrowed from Jim is blue.

Revised sentence: _____.

Difference in meaning: _____.

_____.

Sentence 2: Make the modifier a defining modifier and explain the difference in meaning between the sentences.

The equation, derived in section 2, has to be solved numerically

Revised sentence: _____.

Difference in meaning: _____.

_____.

Part 3: In each of the following pairs of sentences, the correct and incorrect use of the underlined phrase is given. Please circle the letter of the correct sentence.

8. (a) Jim is very short. On the contrary, he is shorter than me.
(b) Jim is not very tall. On the contrary, he is shorter than me.
9. (a) The dynamics do not display significant nonlinearity. On the contrary, they can be modelled well by a linear approximation.
(b) The dynamics are linear. On the contrary, nonlinearity must be considered to model them.
10. (a) This natto smells bad. On the other hand, it is very tasty.
(b) This natto smells bad. On the other hand, this peach smells very nice.
11. (a) The Magnetohydrodynamic equations provide a good basis to model magnetised plasma. On the other hand, the complexity of the equations means that most models have to be solved numerically.
(b) The Magnetohydrodynamic equations provide a good basis to model magnetised plasma. On the other hand, Boltzmann's equation provides a better basis to model physics on the kinetic scale.

Part 4: The words 'between', 'among' and 'of' are missing from the sentences below. Add the correct word to complete each sentence.

12. The time step of the simulation is determined by the faster _____ the characteristic velocities of the system.
13. The electrons are modelled as massless particles that flow _____ the two charged plates.
14. There was great debate _____ scientists about the existence of superluminal neutrinos.
15. According to recent observations, the distance _____ galaxies is increasing.
16. Performing a Gaussian fit to the data is the better _____ the methods for determining the peak intensity.
17. In the past few decades, the concept of group selection has made a quiet comeback _____ evolutionary theorists.