

VG500

Technical Communication

Assignment 3

Manuel — UM-JI (Spring 2019)

- A \LaTeX file compiling with errors will not be graded
- Submit the pdf and \LaTeX versions inside an archive of type tar, zip, or rar
- Add any referenced article to the archive
- Follow the group submission guidelines
- Any work that fails to comply with the previous requirements will be ignored

Ex. 1 — *Mind map*

Sketch a mind map representing Halmos' article [1]. Include it as an image in the \LaTeX file.

Ex. 2 — *Group exercise*

In about 150 words discuss the use of figures in Johnson and Popil's article¹ [2].

Ex. 3 — *Writing skills*

1. What is wrong with the following expressions:

- Just act naturally
- Please give your unbiased opinion
- I need an exact estimate by Friday

2. In the following sentence, remove any redundant language:

Before the agent was completely able to finish explaining the various differences between all of the many outdoor event packages her company was offering, the customer changed his future plans.

Ex. 4 — \LaTeX

Reproduce the \LaTeX document on the next page.

Hint: extract the pictures and text from this pdf file.

References

[1] P. R. Halmos. How to write mathematics. *Enseignement mathématique*, 16:123–152, 1970.

[2] Shane Johnson and Roman Popil. Corrugated board bonding defect visualization and characterization. *International Journal of Adhesion & Adhesives*, 59:105–114, 2015.

¹Article available on Canvas.



(a) Wozoco Housing



(b) Silodam Housing

Figure 4: Housing in Amsterdam

The extruded boxes which give the unique profile to the building result from the main constraint of density. These suspended elements projecting out of the main structure provide additional housing units and as a side effect create a sound proof barrier to the city noises. With the Silodam Housing complex (fig. 4b), also located in Amsterdam, the main issue was to bring back to life the pier of the IJ River. When the harbor fell into a decline, the buildings, warehouses, and shipyards were left unused. The intention was to integrate high density building in response to the housing shortage. They fused with the character of the harbour by reinterpreting the image of the silos and provided highly flexible spaces as a token of sustainability.



Figure 5: Trade Fair Center (Milan)

For many years, Massimilio Fuksas has dedicated his special attention to the study of urban problems and in particular to the suburbs. Without denying the heritage of modernism he was able to overcome the rigidity of its figures by mixing both a deconstructivist expression and a philosophical interpretation of nature. In the Milan's new Trade Fair (fig. 5), the transparent coverage modifies spaces and represents the continuity of vision. A series of buildings connect at ground level and at footbridge level suspended above treated landscaped areas with water, green surfaces and concrete. All space are covered by the lightweight structure undulating like a veil. This glass roofing reminds natural artefacts such as craters, waves, dunes, and hills. The shape is never repetitive, offering a varying perspective similar to natural landscapes. The evolution of his production shows how he radicalized his approach to confront the architectural object to its surrounding environment. More recently he won the competition to design the Chengdu Tianfu cultural and performance centre(fig. 6) in Chengdu. In this project Fuksas combines four elliptical

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