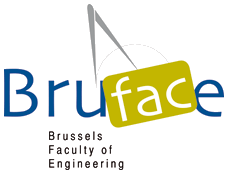


**Optimum design of pendulum tuned**

**mass dampers for applications to high- rise buildings subjected to wind-induced vibrations**

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Prof. Arnaud DERAEMAEKER

the co-supervision of

Dr. Cédric DUMOULIN

this is the abstract

**1 Introduction**

1.1 Context

**2 State-of-the-art**

TMDs have first been optimized in [1]. A TMD is represented in Figure 2.1.

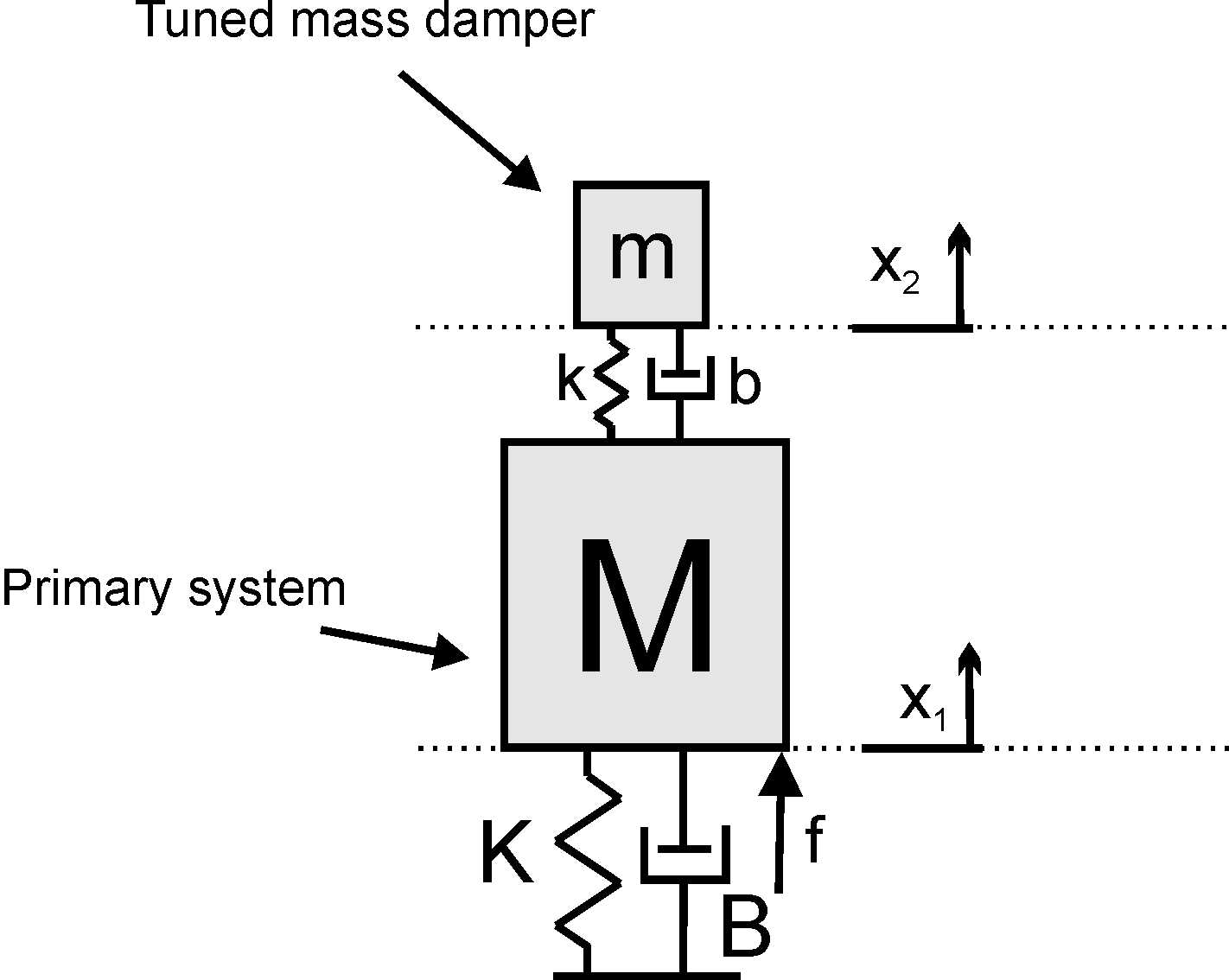


Figure 2.1 – Tuned mass damper attached to a primary system

**3 Workplan**

This is the work plan

**4 Tentative schedule**

This is the tentative schedule

**Bibliography**

[1] JP Den Hartog. *Mechanical vibrations.* McGraw-Hill Book Company. 1956.