

Symulacja dyskretna systemów złożonych

Symulacja ogrzewania pomieszczenia

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Informatyka

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Bieżące postępy

- Dodanie możliwości pobierania danych pogodowych dla konkretnego dnia w roku (historia sięga do 2008 roku) z danego miasta
- Stworzenie możliwości zapisu efektów symulacji i wyświetlania w formie zestawienia w tabeli
- Wprowadzenie poprawek do programu, obsługa błędów

Properties

Floor

☐ There is a heated room above

Room dimensions

length

width

height

☐ Partition wall

Number of windows

Windows dimensions

height

width

Wall material

Insulation

Time

Duration



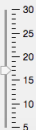
Set room temperature



Set lower temperature

from to

☒ Everyday



Plots

Show plot of:

☒ Temperature

☒ Costs

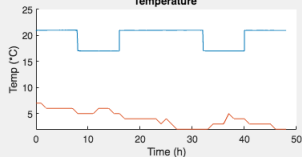
☒ Power

Weather

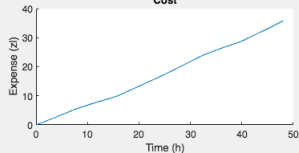
Station

Date

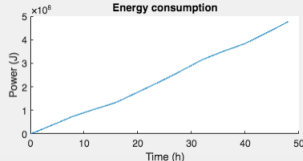
Temperature



Cost



Energy consumption



Start

Save

Show summary

Properties

Floor ☐ There is a heated room above

Room dimensions
 length width height

☐ Partition wall

Number of windows Windows dimensions
 height width

Wall material

Insulation

Time

Duration

Set room temperature

Set lower temperature from to

☒ Everyday

Plots

Show plot of:

- ☒ Temperature
- ☒ Costs
- ☒ Power

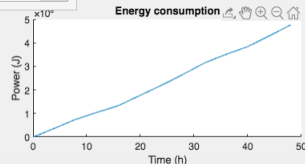
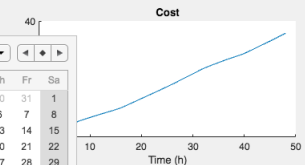
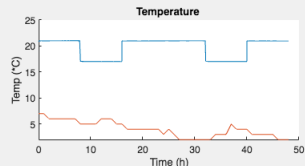
Weather

Station

Date

February 2020

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
1	2	3	4	5	6	7



Start

Save **Show summary**

Properties

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width

height

☐ Partition wall

Number of windows

Windows dimensions

height

width

Wall material

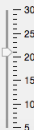
Insulation

Time

Duration



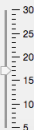
Set room temperature



Set lower temperature

from to

☒ Everyday



Plots

Show plot of:

☒ Temperature

☒ Costs

☒ Power

Weather

Station

Cracow

Warsaw

Gdansk

Wroclaw

Poznan

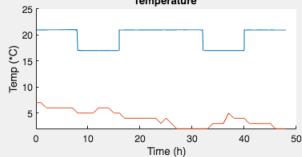
Date

Start

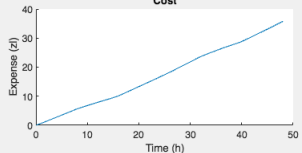
Save

Show summary

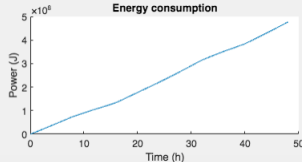
Temperature

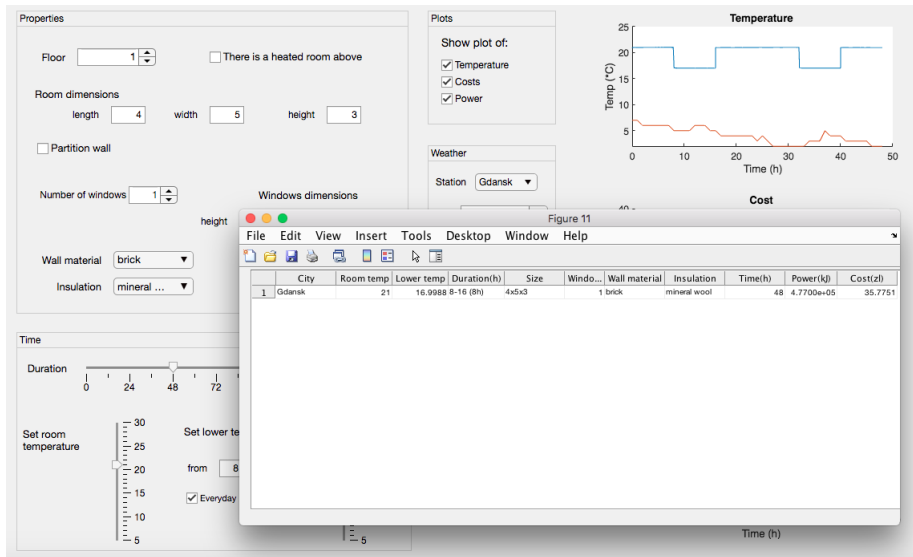


Cost



Energy consumption





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- ☒ Power

Weather

Station

Date

Time

Duration

Set room temperature

Set lower temperature

from to

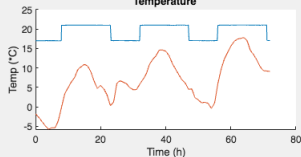
☒ Everyday

Start

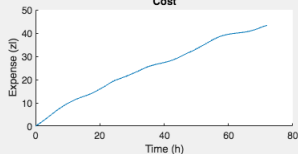
Save

Show summary

Temperature



Cost



Energy consumption

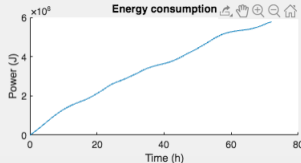


Figure 11

File Edit View Insert Tools Desktop Window Help



	City	Room temp	Lower temp	Duration(h)	Size	Windo...	Wall material	Insulation	Time(h)	Power(kJ)	Cost(zl)
1	Gdansk	21	16.9988	8-16 (8h)	4x5x3	1	brick	mineral wool	48	4.7700e+05	35.7751
2	Wroclaw	21	16.9988	23-8 (9h)	4x5x3	1	brick	mineral wool	72	5.7710e+05	43.2825
3	Cracow	21	16.9988	23-8 (9h)	4x5x3	1	brick	mineral wool	48	1.2826e+05	9.6194

