

Testbeispiel 1 des WALTER-Preview 15. 1. 2005
Gebäudekante mit auskragender Balkonplatte
Prüfreferenzfall 3 der EN ISO 10211-1:1995, Anhang A (Bild A.3)
stationäre, dreidimensionale Berechnung des Wärmedurchgangs
Dr. Klaus Krec

Datei: D:\Entw\Walter\WalterWorkDir\Beispiel_1.xml

Detailangaben zu der Bateilkonstruktionseingabe

Elements :

Layer - Name: "floor/ceiling" Depth= 1000

SpaceBox - (-1000, 0, 0) x (0, 2150, 1000) Room Name : "Room 0" Surface Name : "exteriour environment" Alpha=20
SpaceBox - (300, 1200, 0) x (1300, 2150, 1000) Room Name : "Room 1" Surface Name : "room 1" Alpha=5
SpaceBox - (300, 0, 0) x (1300, 1000, 1000) Room Name : "Room 2" Surface Name : "room 2" Alpha=5
MaterialBox - (0, 0, 0) x (100, 2150, 1000) Material Name : "material 3" Lambda=1
MaterialBox - (100, 0, 0) x (150, 2150, 1000) Material Name : "material 2" Lambda=0,04
MaterialBox - (150, 0, 0) x (300, 2150, 1000) Material Name : "material 1" Lambda=0,7
MaterialBox - (-600, 1000, 0) x (1300, 1150, 1000) Material Name : "material 4" Lambda=2,5
MaterialBox - (300, 1150, 0) x (1300, 1200, 1000) Material Name : "material 5" Lambda=1

Layer - Name: "load bearing wall" Depth= 150

SpaceBox - (-1000, 0, 1000) x (0, 2150, 1150) Room Name : "Room 0" Surface Name : "exteriour environment" Alpha=20
MaterialBox - (0, 0, 1000) x (100, 2150, 1150) Material Name : "material 3" Lambda=1
MaterialBox - (100, 0, 1000) x (150, 2150, 1150) Material Name : "material 2" Lambda=0,04
MaterialBox - (150, 0, 1000) x (1300, 2150, 1150) Material Name : "material 1" Lambda=0,7
MaterialBox - (-600, 1000, 1000) x (1300, 1150, 1150) Material Name : "material 4" Lambda=2,5

Layer - Name: "insulation" Depth= 50

SpaceBox - (-1000, 0, 1150) x (0, 2150, 1200) Room Name : "Room 0" Surface Name : "exteriour environment" Alpha=20
MaterialBox - (0, 0, 1150) x (100, 2150, 1200) Material Name : "material 3" Lambda=1
MaterialBox - (100, 0, 1150) x (1300, 2150, 1200) Material Name : "material 2" Lambda=0,04

Layer - Name: "exteriour wall" Depth= 100

SpaceBox - (-1000, 0, 1200) x (0, 2150, 1300) Room Name : "Room 0" Surface Name : "exteriour environment" Alpha=20
MaterialBox - (0, 0, 1200) x (1300, 2150, 1300) Material Name : "material 3" Lambda=1

Layer - Name: "exteriour room" Depth= 50

SpaceBox - (-1000, 0, 1300) x (1300, 2150, 1350) Room Name : "Room 0" Surface Name : "exteriour environment" Alpha=20

Rooms :

Room 0
Room 1
Room 2

Powers :