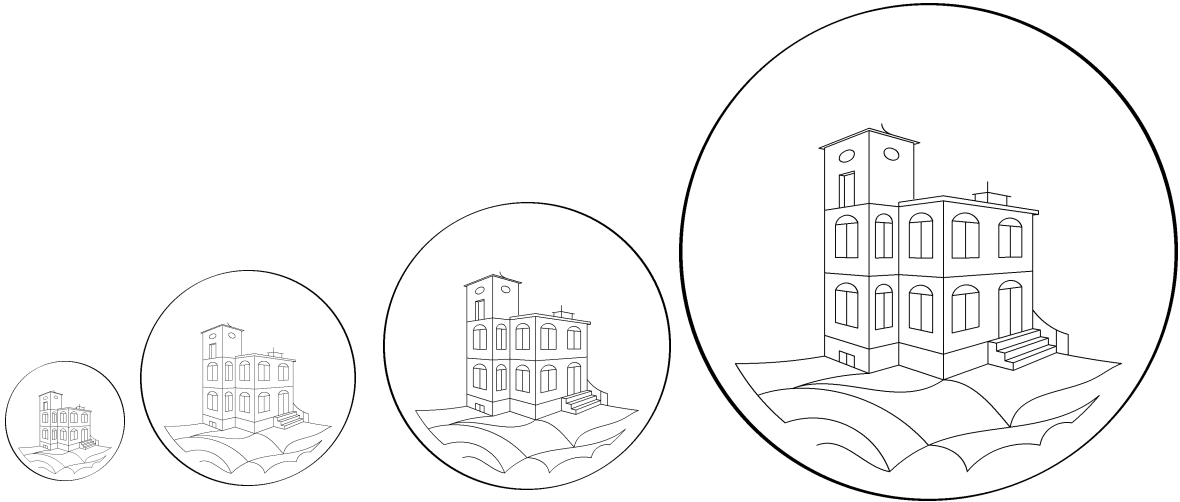


Das Hörselberghaus als L^AT_EX- Datei



Die Datei berghaus.mf

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX Udo Heyl, Burgstr. 20, 99817 Eisenach          XX
XX to be used under LaTeX 2E and LaTeX 209 -    XX
XX supported by TeX-file 'berghaus.sty'         XX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
mode_setup;
font_coding_scheme = "Hoerselberghaus LOGO";
font_identifier = "berghaus";
```

```
pen norm_pen, thick_pen, mean_pen, thin_pen, tiny_pen, syma_pen, symb_pen;
U# := 9pt#; u# := (1/1024)*U#; define_pixels(U,u);
def p(expr x,y)=(x*a,y*b)enddef;
```

```
norm_pen := pencircle xscaled .5pt yscaled .05pt;
thick_pen := pencircle xscaled .7pt yscaled .2625pt rotated 25;
mean_pen := pencircle xscaled .6pt yscaled .225pt rotated 25;
thin_pen := pencircle xscaled .4pt yscaled .16pt rotated 25;
tiny_pen := pencircle xscaled .2pt yscaled .5pt;
syma_pen := pencircle xscaled .6pt yscaled .5pt;
symb_pen := pencircle xscaled .2pt yscaled .5pt;
```

```
o:=0;
```

```
beginchar(1,3U#,3U#,0);"hoerselberg";pickup thick_pen;
a=.1w; b=.1h;
draw fullcircle scaled90pt shifted p(15,15); pickup tiny_pen;
z1=p(8,8); z2=p(8,22); z98=p(-10,15); z99=p(40,15);
z3=21/18[z98,z1]; z4=21/18[z98,z2];
draw z1--z2--z4--z3--z1;
z5=1/10[z1,z2]; z6=4/10[z1,z2]; z7=7/10[z1,z2];
z8=21/18[z98,z6]; z9=21/18[z98,z6]; z10=21/18[z98,z7];
draw z5--z8; draw z6--z9; draw z7--z10;
z11=2/29[z3,z99]; z12=2/29[z8,z99]; z13=2/29[z9,z99];
z14=2/29[z10,z99]; z15=2/29[z4,z99];
z24=3/29[z4,z99]; z25=3/29[z10,z99]; z26=.15[z25,z24];
draw z4--z24--z26;
draw z3--z11--z14; draw z8--z12; draw z9--z13; draw z10--z14;
z16=26/23[z98,z11]; z17=26/23[z98,z12]; z18=26/23[z98,z13];
z19=26/23[z98,z14]; draw z11--z16--z19--z14; draw z12--z17; draw z13--z18;
z20=6/24[z16,z99]; z21=6/24[z17,z99]; z22=6/24[z18,z99];
z23=6/24[z19,z99];
draw z21--z23--z19; draw z17--z21; draw z18--z22;
```

```
z38=.5[z5,z8]; z37=.5[z6,z9]; z34=1/4[z38,z37]; z35=3/4[z38,z37];
z36=.5[z35,z37]; z32=81/78[z98,z35];
z30=75/78[z98,z34]; z33=75/78[z98,z35]; z31=81/78[z98,z34];
draw z34--z35--z33--z30--z31--z32--z35; draw z33..z32;
```

```
z48=.5[z6,z9]; z47=.5[z7,z10]; z44=1/4[z48,z47]; z45=3/4[z48,z47];
z46=.5[z45,z47]; z42=81/78[z98,z45];
z40=75/78[z98,z44]; z43=75/78[z98,z45]; z41=81/78[z98,z44];
draw z44--z45--z43--z40--z41--z42--z45; draw z43..z46..z42;
```

```
z58=.5[z8,z12]; z57=.5[z9,z13]; z54=1/4[z58,z57]; z55=3/4[z58,z57];
z56=.5[z55,z57]; z52=.98[z99,z55];
z50=1.02[z99,z54]; z53=1.02[z99,z55]; z51=.98[z99,z54];
draw z54--z55--z53--z50--z51--z52--z55; draw z53..z56..z52;
```

```
z68=.5[z9,z13]; z67=.5[z10,z14]; z64=1/4[z68,z67]; z65=3/4[z68,z67];
z66=.5[z65,z67]; z62=.98[z99,z65];
z60=1.02[z99,z64]; z63=1.02[z99,z65]; z61=.98[z99,z64];
draw z64--z65--z63--z60--z61--z62--z65; draw z63..z66..z62;
```

```
z78=.5[z12,z17]; z77=.5[z13,z18]; z74=1/4[z78,z77]; z75=3/4[z78,z77];
z76=.5[z75,z77]; z72=80.5/78[z98,z75];
z70=75.5/78[z98,z74]; z73=75.5/78[z98,z75]; z71=80.5/78[z98,z74];
draw z74--z75--z73--z70--z71--z72--z75; draw z73..z76..z72;
```

```
z88=.5[z13,z18]; z87=.5[z14,z19]; z84=1/4[z88,z87]; z85=3/4[z88,z87];
z86=.5[z85,z87]; z82=80.5/78[z98,z85];
z80=75.5/78[z98,z84]; z83=75.5/78[z98,z85]; z81=80.5/78[z98,z84];
draw z84--z85--z83--z80--z81--z82--z85; draw z83..z86..z82;
```

```
z90=1/2[z17,z21]; z91=1/2[z18,z22]; z92=1/2[z19,z23]; z93=1/2[z16,z20];
draw z16--z93--z90;
```

```
z108=.5[z17,z90]; z107=.5[z18,z91]; z104=1/4[z108,z107]; z105=3/4[z108,z107];
z106=.5[z105,z107]; z102=.96[z99,z105];
z100=1.04[z99,z104]; z103=1.04[z99,z105]; z101=.96[z99,z104];
draw z104--z105--z103--z100--z101--z102--z105; draw z103..z106..z102;
```

```
z118=.5[z18,z91]; z117=.5[z19,z92]; z114=1/4[z118,z117]; z115=3/4[z118,z117];
z116=.5[z115,z117]; z112=.96[z99,z115];
z110=1.04[z99,z114]; z113=1.04[z99,z115]; z111=.96[z99,z114];
draw z114--z115--z113--z110--z111--z112--z115; draw z113..z116..z112;
```

```
z128=.5[z91,z22]; z127=.5[z92,z23]; z124=1/4[z128,z127]; z125=3/4[z128,z127];
z126=.5[z125,z127]; z122=.96[z99,z125];
z120=1.04[z99,z124]; z123=1.04[z99,z125]; z121=.96[z99,z124];
draw z124--z125--z123--z120--z121--z122--z125; draw z123..z126..z122;
```

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XXXXXXXXXX EINGANGSTUER XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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```
z168=.5[z90,z21]; z167=.5[z91,z22]; z164=1/4[z168,z167]; z165=3/4[z168,z167];
z166=.5[z165,z167]; z162=.96[z99,z165];
z160=1.04[z99,z164]; z163=1.04[z99,z165]; z161=.96[z99,z164];
x158=x160; x159=x161;
(x158-x99)/(x21-x99)=(y158-y99)/(y21-y99);
(x159-x99)/(x21-x99)=(y159-y99)/(y21-y99);
z157=1/2[z158,z159];
draw z157--z165--z163--z158--z159--z162--z165; draw z163..z166..z162;
```

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XXXXXXXXXX TREPPE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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```
z131=1.05[z98,z20];
(x130-x98)/(x93-x98)=(y130-y98)/(y93-y98);
(x130-x99)/(x131-x99)=(y130-y99)/(y131-y99);
draw z93--z130--z131;
z134=1/3[z130,z90]; z138=2/3[z130,z90];
z135=1/3[z131,z21]; z139=2/3[z131,z21];
```

```

(x140-x98)/(x90-x98)=(y140-y98)/(y90-y98); x140=x138;
(x141-x98)/(x21-x98)=(y141-y98)/(y21-y98); x141=x139;
(x136-x98)/(x138-x98)=(y136-y98)/(y138-y98); x136=x134;
(x137-x98)/(x139-x98)=(y137-y98)/(y139-y98); x137=x135;
(x132-x98)/(x134-x98)=(y132-y98)/(y134-y98); x132=x130;
(x133-x98)/(x135-x98)=(y133-y98)/(y135-y98); x133=x131;
draw z90--z140--z138--z136--z134--z132--z130;
draw z21--z141--z139--z137--z135--z133--z131;
draw z132--z133; draw z134--z135; draw z136--z137;
draw z138--z139; draw z140--z141;

XXXXXX DACH XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
(x144-x98)/(x24-x98)=(y144-y98)/(y24-y98);
(x144-x98)/(x2-x98)=(y144-y98)/(y2-y98);
z146=1.05[z4,z144]; XXx143=x2-.4a; x142=x24+.4a;
(x143-x24)/(x2-x24)=(y143-y24)/(y2-y24);
(x2-x142)/(x2-x24)=(y2-y142)/(y2-y24);
(x143-x98)/(x146-x98)=(y143-y98)/(y146-y98);
(x142-x98)/(x146-x98)=(y142-y98)/(y146-y98);
x148=x24; x147=x2;
(x147-x98)/(x146-x98)=(y147-y98)/(y146-y98);
(x148-x98)/(x146-x98)=(y148-y98)/(y146-y98);
draw z147--z143; draw z142--z148;
(x145-x98)/(x143-x98)=(y145-y98)/(y143-y98);
(x145-x98)/(x142-x98)=(y145-y98)/(y142-y98);
draw z143--z145--z142;
z150=1/2[z145,z142];
x151=1/4[x145,z142];
y151=1.3[y142,y145];
draw z150(z145-z142)..{up}z151;

XXXXXX unteres Dach XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
x152=x14; y152=y14+.3b;
x153=x19; (x153-x98)/(x152-x98)=(y153-y98)/(y152-y98);
draw z14--z152--z153;
x154=x23+.4a;
(x154-x98)/(x153-x98)=(y154-y98)/(y153-y98);
x155=x154;
(x155-x98)/(x19-x98)=(y155-y98)/(y19-y98);
draw z153--z154--z155--z23;
x97=x23; (x97-x98)/(x155-x98)=(y97-y98)/(y155-y98);
draw z155--z97;

XXXXXX GELAEENDER XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
z170=2[z20,z21]; x172=x173=1.5[x20,x131];
z171=3.5[z131,z133];
(x172-x98)/(x21-x98)=(y172-y98)/(y21-y98);
(x173-x98)/(x20-x98)=(y173-y98)/(y20-y98);
draw z170..z171..z172; draw z133--z171; draw z172--z173;

XXXXXX KELLERFENSTER XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
z180=.5[z1,z5]; z181=.5[z3,z8];
z182=1/3[z180,z181]; z183=2/3[z180,z181];
z184=1/3[z1,z3]; z185=2/3[z1,z3];
z186=.5[z1,z3]; z187=.5[z180,z181];
draw z184--z182--z183--z185; draw z186--z187;

XXXXXX DACHLUKE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
x190=1/3[x1,x3]; x191=2/3[x1,x3]; z192=.5[z7,z2];
(x190-x98)/(x192-x98)=(y190-y98)/(y192-y98);
(x191-x98)/(x192-x98)=(y191-y98)/(y192-y98);
z193=1/3[z7,z10]; z194=2/3[z7,z10];
draw z193--z190--z191--z194;
z195=1/3[z193,z194]; x196=x195; x197=x194;
(x196-x98)/(x190-x98)=(y196-y98)/(y190-y98);
(x197-x98)/(x196-x98)=(y197-y98)/(y196-y98);
draw z190--z196--z197; draw z196--z195;

XXXXXX BULLAUGEN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
z200=1/3[z192,z2]; z201=2/3[z192,z2];
z202=4/6[z10,z4]; z203=6/6[z10,z4];
z205=1/2[z10,z4];

```

```

z206=1/3[z192,z205]; z207=2/3[z192,z205];
z208=1/3[z2,z4]; z209=2/3[z2,z4];
z210=1/2[z200,z202]; z211=1/2[z207,z209];
z212=1/2[z201,z203]; z213=1/2[z206,z208];
draw=z210(z202-z200)..{up}z211..z212(z201-z203)..{down}z213..XX
(z202-z200)z210..cycle;
z199=1/2[z25,z24];
z214=1/3[z205,z199]; z215=2/3[z205,z199];
z216=1/3[z4,z24]; z217=2/3[z4,z24];
z218=1/3[z199,z24]; z219=2/3[z199,z24];
z220=1/2[z202,z218]; z221=1/2[z215,z217];
z222=1/2[z203,z219]; z223=1/2[z214,z216];
draw z220(z218-z202)..{up}z221..z222(z203-z219)..{down}z223..XX
(z218-z202)z220..cycle;

XXXXXXXXXX ERDREICH XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
z997=p(15,15); z998=p(15,0); z999=p(0,-15);
z224=z997 + z998 * cosd 30 + z999 * sind 30;
z225=z997 + z998 * cosd 40 + z999 * sind 40;
z226=z997 + z998 * cosd 50 + z999 * sind 50;
z227=z997 + z998 * cosd 60 + z999 * sind 60;
z228=z997 + z998 * cosd 80 + z999 * sind 80;
z229=z997 + z998 * cosd 100 + z999 * sind 100;
z230=z997 + z998 * cosd 120 + z999 * sind 120;
z231=z997 + z998 * cosd 130 + z999 * sind 130;
z232=z997 + z998 * cosd 140 + z999 * sind 140;
z233=z997 + z998 * cosd 150 + z999 * sind 150;
z995=p(13,0); z996=p(0,-13);
z235=z997 + z995 * cosd 35 + z996 * sind 35;
z236=z997 + z995 * cosd 45 + z996 * sind 45;
z237=z997 + z995 * cosd 65 + z996 * sind 65;
z238=z997 + z995 * cosd 90 + z996 * sind 90;
z239=z997 + z995 * cosd 115 + z996 * sind 115;
z240=z997 + z995 * cosd 135 + z996 * sind 135;
z241=z997 + z995 * cosd 145 + z996 * sind 145;
draw z131..z173..z224; draw z1(dir190)..z233;
draw z240(dir20)..z3;
draw z240(dir20)..{dir35}z16;
draw z232(dir20)..z240..z238;
draw z231(dir20)..z229;
draw z229..z238..z237..{dir40}z225;
draw z237(dir80)..1/2[z225,z235]..{dir20}z224;
draw z16(right)..{dir-50}z237;
draw z230(dir20)..{z228-z230}z229;
draw z228(dir50)..z227;
draw z227(dir80)..z226;
draw z238(dir-00)..{dir-80}z228;
draw z233..z232..z231; draw z226(z225-z227)..z225;

XXXXXXXXXX DACHGARTEN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
z242=1/3[z153,z154]; x243=x242; y243=y242+.45b;
z244=2/3[z153,z154]; x245=x244; z246=.4[z242,z244];
x247=x246;
(x247-x98)/(x243-x98)=(y247-y98)/(y243-y98);
(x245-x98)/(x247-x98)=(y245-y98)/(y247-y98);
z248=2[z246,z247];
draw z242--z243--z247--z245--z244; draw z246--z248;
z249=1.2[z247,z243]; z250=1.2[z247,z245];
draw z249--z243; draw z250--z245;

endchar;

font_size 10pt#;
font_normal_space 6pt#;
font_normal_stretch 1.5pt#;
font_normal_shrink 1pt#;

bye

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXX end of file berghaus.MF XXX
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