

PŘÍLOHA 1

| $f [Hz]$ | 31,5 | 40 | 50 | 63 | 80 | 100 | 125 |
|---------------------|-------------|-----------|-----------|-----------|-----------|------------|------------|
| $\bar{L}_p'' [dB]$ | 20,450 | 21,788 | 26,122 | 24,288 | 19,588 | 13,057 | 13,273 |
| $\bar{L}_p' [dB]$ | 53,509 | 57,764 | 61,184 | 59,982 | 62,480 | 66,819 | 62,565 |
| $\Delta L [dB]$ | 33,059 | 35,976 | 35,062 | 35,693 | 42,891 | 53,762 | 49,291 |
| $K_1 [dB]$ | 0,002 | 0,001 | 0,001 | 0,001 | 0,000 | 0,000 | 0,000 |
| $\bar{L}_{pf} [dB]$ | 50,489 | 54,745 | 58,165 | 56,962 | 59,461 | 63,801 | 59,546 |
| $L_w [dB]$ | 71,872 | 76,128 | 79,548 | 78,345 | 80,844 | 85,184 | 80,929 |

| $f [Hz]$ | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
|---------------------|------------|------------|------------|------------|------------|------------|------------|
| $\bar{L}_p'' [dB]$ | 9,453 | 6,983 | 5,218 | 9,953 | 5,329 | 5,193 | 2,273 |
| $\bar{L}_p' [dB]$ | 62,069 | 63,787 | 62,706 | 63,507 | 64,410 | 63,920 | 65,509 |
| $\Delta L [dB]$ | 52,616 | 56,805 | 57,488 | 53,554 | 59,081 | 58,728 | 63,236 |
| $K_1 [dB]$ | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| $\bar{L}_{pf} [dB]$ | 59,051 | 60,769 | 59,688 | 60,488 | 61,392 | 60,902 | 62,491 |
| $L_w [dB]$ | 80,434 | 82,152 | 81,071 | 81,871 | 82,775 | 82,285 | 83,874 |

Výpočet hladin akustického výkonu

| $f [Hz]$ | 800 | 1 000 | 1 250 | 1 600 | 2 000 | 2 500 | 3 150 |
|---------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\bar{L}_p'' [dB]$ | 1,700 | 2,101 | 2,353 | 3,550 | 4,150 | 4,850 | 5,701 |
| $\bar{L}_p' [dB]$ | 69,964 | 73,542 | 74,262 | 71,911 | 69,137 | 67,904 | 69,344 |
| $\Delta L [dB]$ | 68,264 | 71,440 | 71,910 | 68,360 | 64,987 | 63,054 | 63,643 |
| $K_1 [dB]$ | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| $\bar{L}_{pf} [dB]$ | 66,946 | 70,523 | 71,244 | 68,892 | 66,119 | 64,886 | 66,326 |
| $L_w [dB]$ | 88,329 | 91,906 | 92,627 | 90,275 | 87,502 | 86,269 | 87,709 |

| $f [Hz]$ | 4 000 | 5 000 | 6 300 | 8 000 | 10 000 | 12 500 | 16 000 |
|---------------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|
| $\bar{L}_p'' [dB]$ | 6,450 | 7,050 | 7,450 | 7,600 | 7,650 | 7,800 | 7,900 |
| $\bar{L}_p' [dB]$ | 70,334 | 71,196 | 73,740 | 73,730 | 71,659 | 70,964 | 69,993 |
| $\Delta L [dB]$ | 63,884 | 64,146 | 66,290 | 66,130 | 64,008 | 63,164 | 62,093 |
| $K_1 [dB]$ | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| $\bar{L}_{pf} [dB]$ | 67,316 | 68,178 | 70,722 | 70,712 | 68,641 | 67,945 | 66,974 |
| $L_w [dB]$ | 88,699 | 89,561 | 92,105 | 92,095 | 90,024 | 89,328 | 88,357 |

Výpočet hladin akustického výkonu

PŘÍLOHA 2

| $f [Hz]$ | 31,5 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 |
|-----------------------|-------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| $\alpha_{(z)1,5} [-]$ | 0,496 | 0,908 | 0,807 | 0,800 | 0,925 | 0,967 | 0,816 | 0,661 | 0,708 | 0,815 | 0,817 | 0,787 |
| $\alpha_{(z)2,0} [-]$ | 0,434 | 0,691 | 0,780 | 0,783 | 0,912 | 0,920 | 0,840 | 0,686 | 0,664 | 0,767 | 0,788 | 0,749 |
| $\alpha_{(s)1,5} [-]$ | 0,479 | 0,927 | 0,812 | 0,801 | 0,909 | 0,963 | 0,854 | 0,666 | 0,709 | 0,801 | 0,813 | 0,800 |
| $\alpha_{(s)2,0} [-]$ | 0,421 | 0,687 | 0,763 | 0,750 | 0,874 | 0,894 | 0,819 | 0,674 | 0,655 | 0,747 | 0,770 | 0,728 |
| $\alpha_{(h)1,5} [-]$ | 0,457 | 0,930 | 0,811 | 0,812 | 0,915 | 0,974 | 0,846 | 0,673 | 0,717 | 0,810 | 0,813 | 0,797 |
| $\alpha_{(h)2,0} [-]$ | 0,397 | 0,682 | 0,781 | 0,757 | 0,867 | 0,893 | 0,809 | 0,668 | 0,659 | 0,754 | 0,761 | 0,735 |
| $\alpha_m [-]$ | 0,447 | 0,806 | 0,792 | 0,784 | 0,900 | 0,935 | 0,831 | 0,671 | 0,685 | 0,782 | 0,793 | 0,766 |

| $f [Hz]$ | 500 | 630 | 800 | 1 000 | 1 250 | 1 600 | 2 000 | 2 500 | 3 150 | 4 000 | 5 000 | 6 300 |
|-----------------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\alpha_{(z)1,5} [-]$ | 0,791 | 0,797 | 0,769 | 0,737 | 0,751 | 0,805 | 0,791 | 0,738 | 0,794 | 0,768 | 0,785 | 0,793 |
| $\alpha_{(z)2,0} [-]$ | 0,744 | 0,769 | 0,746 | 0,680 | 0,741 | 0,784 | 0,725 | 0,707 | 0,785 | 0,794 | 0,775 | 0,788 |
| $\alpha_{(s)1,5} [-]$ | 0,776 | 0,812 | 0,795 | 0,747 | 0,759 | 0,806 | 0,798 | 0,737 | 0,809 | 0,794 | 0,808 | 0,841 |
| $\alpha_{(s)2,0} [-]$ | 0,726 | 0,750 | 0,720 | 0,664 | 0,729 | 0,771 | 0,700 | 0,696 | 0,766 | 0,775 | 0,777 | 0,783 |
| $\alpha_{(h)1,5} [-]$ | 0,787 | 0,810 | 0,781 | 0,733 | 0,758 | 0,820 | 0,797 | 0,740 | 0,809 | 0,812 | 0,813 | 0,825 |
| $\alpha_{(h)2,0} [-]$ | 0,720 | 0,749 | 0,721 | 0,656 | 0,714 | 0,759 | 0,695 | 0,696 | 0,759 | 0,768 | 0,743 | 0,752 |
| $\alpha_m [-]$ | 0,757 | 0,781 | 0,755 | 0,703 | 0,742 | 0,791 | 0,751 | 0,719 | 0,787 | 0,785 | 0,784 | 0,797 |

Činitele zvukové pohltivosti pro jednooktávové pásma (měření č.2)

| $f [Hz]$ | 8 000 | 10 000 | 12 500 | 16 000 |
|-----------------------|--------------|---------------|---------------|---------------|
| $\alpha_{(z)1,5} [-]$ | 0,779 | 0,807 | 0,811 | 0,830 |
| $\alpha_{(z)2,0} [-]$ | 0,782 | 0,795 | 0,809 | 0,834 |
| $\alpha_{(s)1,5} [-]$ | 0,828 | 0,876 | 0,911 | 0,959 |
| $\alpha_{(s)2,0} [-]$ | 0,786 | 0,806 | 0,823 | 0,866 |
| $\alpha_{(h)1,5} [-]$ | 0,837 | 0,882 | 0,906 | 0,964 |
| $\alpha_{(h)2,0} [-]$ | 0,741 | 0,750 | 0,754 | 0,763 |
| $\alpha_m [-]$ | 0,792 | 0,819 | 0,836 | 0,870 |

Činitele zvukové pohltivosti pro jednooktávové pásma (měření č.2)

| $f [Hz]$ | 31,5 | 63 | 125 | 250 | 500 | 1 000 | 2 000 | 4 000 | 8 000 | 16 000 |
|-----------------------|-------------|-----------|------------|------------|------------|--------------|--------------|--------------|--------------|---------------|
| $\alpha_{(z)1,5} [-]$ | 0,603 | 0,828 | 0,806 | 0,764 | 0,791 | 0,748 | 0,783 | 0,781 | 0,790 | 0,824 |
| $\alpha_{(z)2,0} [-]$ | 0,533 | 0,800 | 0,803 | 0,719 | 0,755 | 0,713 | 0,744 | 0,783 | 0,786 | 0,825 |
| $\alpha_{(s)1,5} [-]$ | 0,588 | 0,825 | 0,817 | 0,761 | 0,796 | 0,759 | 0,785 | 0,802 | 0,842 | 0,942 |
| $\alpha_{(s)2,0} [-]$ | 0,522 | 0,771 | 0,784 | 0,707 | 0,735 | 0,697 | 0,729 | 0,773 | 0,789 | 0,847 |
| $\alpha_{(h)1,5} [-]$ | 0,580 | 0,830 | 0,821 | 0,767 | 0,798 | 0,751 | 0,791 | 0,811 | 0,841 | 0,940 |
| $\alpha_{(h)2,0} [-]$ | 0,508 | 0,781 | 0,778 | 0,708 | 0,735 | 0,687 | 0,723 | 0,754 | 0,746 | 0,760 |
| $\alpha_m [-]$ | 0,556 | 0,806 | 0,802 | 0,738 | 0,768 | 0,726 | 0,759 | 0,784 | 0,799 | 0,857 |

Činitele zvukové pohltivosti pro třetinooktávové pásma (měření č.2)

PŘÍLOHA 3

| $f [Hz]$ | 31,5 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 |
|-----------------------|-------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| $\alpha_{(z)1,5} [-]$ | 0,459 | 0,884 | 0,838 | 0,885 | 0,955 | 0,927 | 0,803 | 0,736 | 0,910 | 0,920 | 0,828 | 0,762 |
| $\alpha_{(z)2,0} [-]$ | 0,422 | 0,775 | 0,803 | 0,789 | 0,895 | 0,887 | 0,795 | 0,714 | 0,819 | 0,776 | 0,720 | 0,673 |
| $\alpha_{(s)1,5} [-]$ | 0,449 | 0,916 | 0,823 | 0,823 | 0,954 | 0,971 | 0,832 | 0,726 | 0,925 | 0,903 | 0,805 | 0,733 |
| $\alpha_{(s)2,0} [-]$ | 0,406 | 0,755 | 0,781 | 0,748 | 0,860 | 0,870 | 0,784 | 0,694 | 0,796 | 0,757 | 0,698 | 0,660 |
| $\alpha_{(h)1,5} [-]$ | 0,465 | 0,917 | 0,827 | 0,823 | 0,969 | 0,963 | 0,834 | 0,739 | 0,929 | 0,886 | 0,800 | 0,735 |
| $\alpha_{(h)2,0} [-]$ | 0,416 | 0,761 | 0,788 | 0,759 | 0,861 | 0,859 | 0,770 | 0,688 | 0,800 | 0,753 | 0,700 | 0,652 |
| $\alpha_m [-]$ | 0,436 | 0,835 | 0,810 | 0,805 | 0,916 | 0,913 | 0,803 | 0,716 | 0,864 | 0,833 | 0,759 | 0,703 |

| $f [Hz]$ | 500 | 630 | 800 | 1 000 | 1 250 | 1 600 | 2 000 | 2 500 | 3 150 | 4 000 | 5 000 | 6 300 |
|-----------------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\alpha_{(z)1,5} [-]$ | 0,740 | 0,765 | 0,731 | 0,730 | 0,819 | 0,836 | 0,774 | 0,774 | 0,806 | 0,797 | 0,777 | 0,788 |
| $\alpha_{(z)2,0} [-]$ | 0,686 | 0,697 | 0,673 | 0,672 | 0,722 | 0,738 | 0,714 | 0,702 | 0,737 | 0,715 | 0,726 | 0,712 |
| $\alpha_{(s)1,5} [-]$ | 0,743 | 0,781 | 0,725 | 0,725 | 0,822 | 0,830 | 0,769 | 0,767 | 0,816 | 0,813 | 0,796 | 0,828 |
| $\alpha_{(s)2,0} [-]$ | 0,676 | 0,676 | 0,658 | 0,652 | 0,708 | 0,727 | 0,700 | 0,683 | 0,731 | 0,723 | 0,724 | 0,737 |
| $\alpha_{(h)1,} [-]$ | 0,749 | 0,769 | 0,715 | 0,729 | 0,811 | 0,829 | 0,767 | 0,767 | 0,816 | 0,812 | 0,781 | 0,816 |
| $\alpha_{(h)2,} [-]$ | 0,676 | 0,674 | 0,650 | 0,658 | 0,697 | 0,714 | 0,683 | 0,663 | 0,714 | 0,726 | 0,725 | 0,702 |
| $\alpha_m [-]$ | 0,712 | 0,727 | 0,692 | 0,694 | 0,763 | 0,779 | 0,735 | 0,726 | 0,770 | 0,765 | 0,755 | 0,764 |

Činitele zvukové pohltivosti pro jednooktávové pásma (měření č.3)

| $f [Hz]$ | 8 000 | 10 000 | 12 500 | 16 000 |
|-----------------------|--------------|---------------|---------------|---------------|
| $\alpha_{(z)1,5} [-]$ | 0,801 | 0,809 | 0,814 | 0,825 |
| $\alpha_{(z)2,0} [-]$ | 0,709 | 0,721 | 0,721 | 0,724 |
| $\alpha_{(s)1,5} [-]$ | 0,834 | 0,882 | 0,909 | 0,947 |
| $\alpha_{(s)2,0} [-]$ | 0,728 | 0,765 | 0,784 | 0,804 |
| $\alpha_{(h)1,5} [-]$ | 0,828 | 0,852 | 0,877 | 0,906 |
| $\alpha_{(h)2,0} [-]$ | 0,688 | 0,725 | 0,725 | 0,739 |
| $\alpha_m [-]$ | 0,765 | 0,793 | 0,806 | 0,825 |

Činitele zvukové pohltivosti pro jednooktávové pásma (měření č.3)

| $f [Hz]$ | 31,5 | 63 | 125 | 250 | 500 | 1 000 | 2 000 | 4 000 | 8 000 | 16 000 |
|-----------------------|-------------|-----------|------------|------------|------------|--------------|--------------|--------------|--------------|---------------|
| $\alpha_{(z)1,5} [-]$ | 0,579 | 0,874 | 0,835 | 0,868 | 0,753 | 0,760 | 0,802 | 0,791 | 0,797 | 0,822 |
| $\alpha_{(z)2,0} [-]$ | 0,535 | 0,814 | 0,804 | 0,760 | 0,683 | 0,691 | 0,722 | 0,725 | 0,713 | 0,723 |
| $\alpha_{(s)1,5} [-]$ | 0,575 | 0,853 | 0,848 | 0,858 | 0,751 | 0,758 | 0,796 | 0,806 | 0,841 | 0,935 |
| $\alpha_{(s)2,0} [-]$ | 0,510 | 0,780 | 0,785 | 0,739 | 0,669 | 0,674 | 0,709 | 0,724 | 0,739 | 0,799 |
| $\alpha_{(h)1,5} [-]$ | 0,583 | 0,859 | 0,852 | 0,851 | 0,749 | 0,755 | 0,795 | 0,799 | 0,828 | 0,898 |
| $\alpha_{(h)2,0} [-]$ | 0,517 | 0,790 | 0,777 | 0,738 | 0,665 | 0,671 | 0,692 | 0,721 | 0,700 | 0,733 |
| $\alpha_m [-]$ | 0,550 | 0,828 | 0,817 | 0,803 | 0,712 | 0,718 | 0,753 | 0,761 | 0,770 | 0,819 |

Činitele zvukové pohltivosti pro třetinoctávové pásma (měření č.3)

PŘÍLOHA 4

| $f [Hz]$ | 25 | 31,5 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 |
|----------------|-----------|-------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| $T_{100A} [s]$ | 1,000 | 1,000 | 0,791 | 0,401 | 0,409 | 0,308 | 0,298 | 0,232 | 0,236 | 0,237 | 0,219 | 0,221 |
| $T_{180A} [s]$ | 1,000 | 1,000 | 1,040 | 0,641 | 0,453 | 0,360 | 0,256 | 0,236 | 0,229 | 0,223 | 0,221 | 0,218 |
| $T_{100B} [s]$ | 1,000 | 1,000 | 0,957 | 0,560 | 0,402 | 0,338 | 0,306 | 0,246 | 0,235 | 0,221 | 0,218 | 0,221 |
| $T_{180B} [s]$ | 1,000 | 1,000 | 0,990 | 0,564 | 0,429 | 0,387 | 0,257 | 0,210 | 0,234 | 0,223 | 0,212 | 0,212 |
| $T_m [s]$ | 1,000 | 1,000 | 0,945 | 0,541 | 0,423 | 0,348 | 0,279 | 0,231 | 0,233 | 0,226 | 0,217 | 0,218 |

| $f [Hz]$ | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 |
|----------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $T_{100A} [s]$ | 0,221 | 0,223 | 0,215 | 0,222 | 0,215 | 0,214 | 0,213 | 0,215 | 0,214 | 0,208 | 0,208 | 0,213 |
| $T_{180A} [s]$ | 0,222 | 0,223 | 0,215 | 0,216 | 0,215 | 0,210 | 0,210 | 0,210 | 0,209 | 0,210 | 0,210 | 0,212 |
| $T_{100B} [s]$ | 0,216 | 0,225 | 0,211 | 0,213 | 0,212 | 0,213 | 0,213 | 0,213 | 0,213 | 0,214 | 0,214 | 0,214 |
| $T_{180B} [s]$ | 0,236 | 0,225 | 0,210 | 0,207 | 0,206 | 0,206 | 0,206 | 0,206 | 0,206 | 0,206 | 0,206 | 0,206 |
| $T_m [s]$ | 0,224 | 0,224 | 0,212 | 0,215 | 0,212 | 0,211 | 0,210 | 0,211 | 0,211 | 0,209 | 0,209 | 0,211 |

| $f [Hz]$ | 6300 | 8000 | 10000 | 12500 |
|----------------|-------------|-------------|--------------|--------------|
| $T_{100A} [s]$ | 0,213 | 0,213 | 0,223 | 0,278 |
| $T_{180A} [s]$ | 0,212 | 0,212 | 0,211 | 0,212 |
| $T_{100B} [s]$ | 0,214 | 0,214 | 0,214 | 0,244 |
| $T_{180B} [s]$ | 0,206 | 0,207 | 0,210 | 0,237 |
| $T_m [s]$ | 0,211 | 0,211 | 0,214 | 0,243 |

Naměřená doba dozvuku

PŘÍLOHA 5

| | | | | | | | | | | | | |
|----------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $f [Hz]$ | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
| $\alpha_m [-]$ | 0,37 | 0,73 | 0,8 | 0,63 | 0,81 | 0,85 | 0,72 | 0,9 | 0,76 | 0,82 | 0,7 | 0,71 |
| $f [Hz]$ | 800 | 1 000 | 1 250 | 1 600 | 2 000 | 2 500 | 3 150 | 4 000 | 5 000 | 6 300 | 8 000 | 10000 |
| $\alpha_m [-]$ | 0,83 | 0,93 | 0,83 | 0,75 | 0,8 | 0,75 | 0,88 | 0,79 | 0,89 | 0,82 | 0,78 | 0,92 |

Součinitel pohltivosti stěn hlukové laboratoře (rok 2002)

| | | | | | | | | | | |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| $f [Hz]$ | 25 | 31,5 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 |
| $L_w [dB]$ | 66,3 | 77,1 | 75,8 | 78,7 | 79,5 | 77,8 | 80,7 | 77,9 | 79,7 | 78 |
| $f [Hz]$ | 250 | 315 | 400 | 500 | 630 | 800 | 1 000 | 1 250 | 1 600 | 2 000 |
| $L_w [dB]$ | 78,3 | 78 | 77,9 | 78,3 | 80 | 84 | 87,4 | 86 | 82,6 | 82,3 |
| $f [Hz]$ | 2 500 | 3 150 | 4 000 | 5 000 | 6 300 | 8 000 | 10 000 | 12 500 | 16 000 | 20 000 |
| $L_w [dB]$ | 79,8 | 79,2 | 79,8 | 81 | 76,9 | 76,2 | 74,2 | 71,2 | 66,7 | 65,9 |

Osvedčení o měření hluku zařízení (rok 1981)