TABLICA OSNOVNIH LAPLACEovih TRANSFORMACIJA

(1) $L(1) = \frac{1}{p}$,

(2) $L(t^n) = \frac{n!}{p^{n+1}}$,

(3) $L(\sin ct) = \frac{c}{p^2+c^2}$, $\quad L(\cos ct) = \frac{p}{p^2+c^2}$,

(4) $L(\mathrm{sh}\, ct) = \frac{c}{p^2-c^2}$, $\quad L(\mathrm{ch}\, ct) = \frac{p}{p^2-c^2}$,

(5) $L(e^{bt}) = \frac{1}{p-b}$,

(6) $L(e^{bt}t^n) = \frac{n!}{(p-b)^{n+1}}$,

(7) $L(e^{bt}\cos ct) = \frac{p-b}{(p-b)^2+c^2}$,
$L(e^{bt}\sin ct) = \frac{c}{(p-b)^2+c^2}$,

(8) $L(t\sin ct) = \frac{2cp}{(p^2+c^2)^2}$, $\quad L(t\cos ct) = \frac{p^2-c^2}{(p^2+c^2)^2}$,

(9) $L(t\mathrm{sh}\, ct) = \frac{2cp}{(p^2-c^2)^2}$, $\quad L(t\mathrm{ch}\, ct) = \frac{p^2+c^2}{(p^2-c^2)^2}$.