In[]:=
```
Q[bj_, bh_] := Sqrt[E^(2*bj) * Cosh[bh]^2 - 2 Sinh[2 bj]];
lp[bj_, bh_] := E^bj Cosh[bh] + Q[bj, bh];
lm[bj_, bh_] := E^bj Cosh[bh] - Q[bj, bh];
Zobc[bj_, bh_, n_] := lp[bj, bh]^(n - 1) * (E^bj Sinh[bh]^2/Q[bj, bh] + 1/(E^bj Q[bj, bh]) + Cosh[bh]) -
  lm[bj, bh]^(n - 1) * (E^bj Sinh[bh]^2/Q[bj, bh] + 1/(E^bj Q[bj, bh]) - Cosh[bh]);
Zpbc[bj_, bh_, n_] := lp[bj, bh]^n + lm[bj, bh]^n
```

гиперболический косинус

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In[]:=
```
m2 = D[Zobc[bj, bh, n], {bh, 2}]/Zobc[bj, bh, n] * n^2 /. {bh → 0}
```

Out[]=

$$\left(-\left(-1+n\right)\left(-1+\frac{e^{-bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}-\frac{e^{2\,bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}-\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-2+n}+\left(1+\frac{e^{bj}}{\left(e^{2\,bj}-2\,\text{Sinh}[2\,bj]\right)^{3/2}}-\frac{2\,e^{bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}-\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-1+n}+\left(-1+n\right)\left(1+\frac{e^{-bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}+\frac{e^{2\,bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}+\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-2+n}+\left(1-\frac{e^{bj}}{\left(e^{2\,bj}-2\,\text{Sinh}[2\,bj]\right)^{3/2}}+\frac{2\,e^{bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}+\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-1+n}\right)\Big/\left(n^2\left(-\left(-1+\frac{e^{-bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}-\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-1+n}+\left(1+\frac{e^{-bj}}{\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}}\right)\left(e^{bj}+\sqrt{e^{2\,bj}-2\,\text{Sinh}[2\,bj]}\right)^{-1+n}\right)\right)$$