

Some further details



Where is the hyperelliptic Riemann surface?

I have yet to mention any Riemann surface theory in this discussion. One needs this theory to:

- Show that one can “move” the Dirichlet eigenvalues (poles) to the band ends.
- Compute the constants that appear on the gaps when poles are moved (Abel map).
- Compute the functions $\theta_j(x, t)$ (linear system involving the period matrix).

