Question 6

Q: How to calculate the inductor's floating capacitance?
(Magnetic field/Floating capacitance)

A: Switch to the electric analysis to calculate a floating capacitance. Apply an electric potential to the coil as one electrode and set an open boundary, or infinity, with 0 [V]. Then the floating capacitance, Cr, of the coil can be calculated.

Note 1: This method will not be applicable for higher frequencies.

Note 2: This method does not allow for calculating a local floating capacitance.

Please refer to Example 17 of the electric analysis on the Femtet help menu below for more information.

Home>Examples>Electric Analysis [Coulomb] > Example 17: Inductor's Floating Capacitance