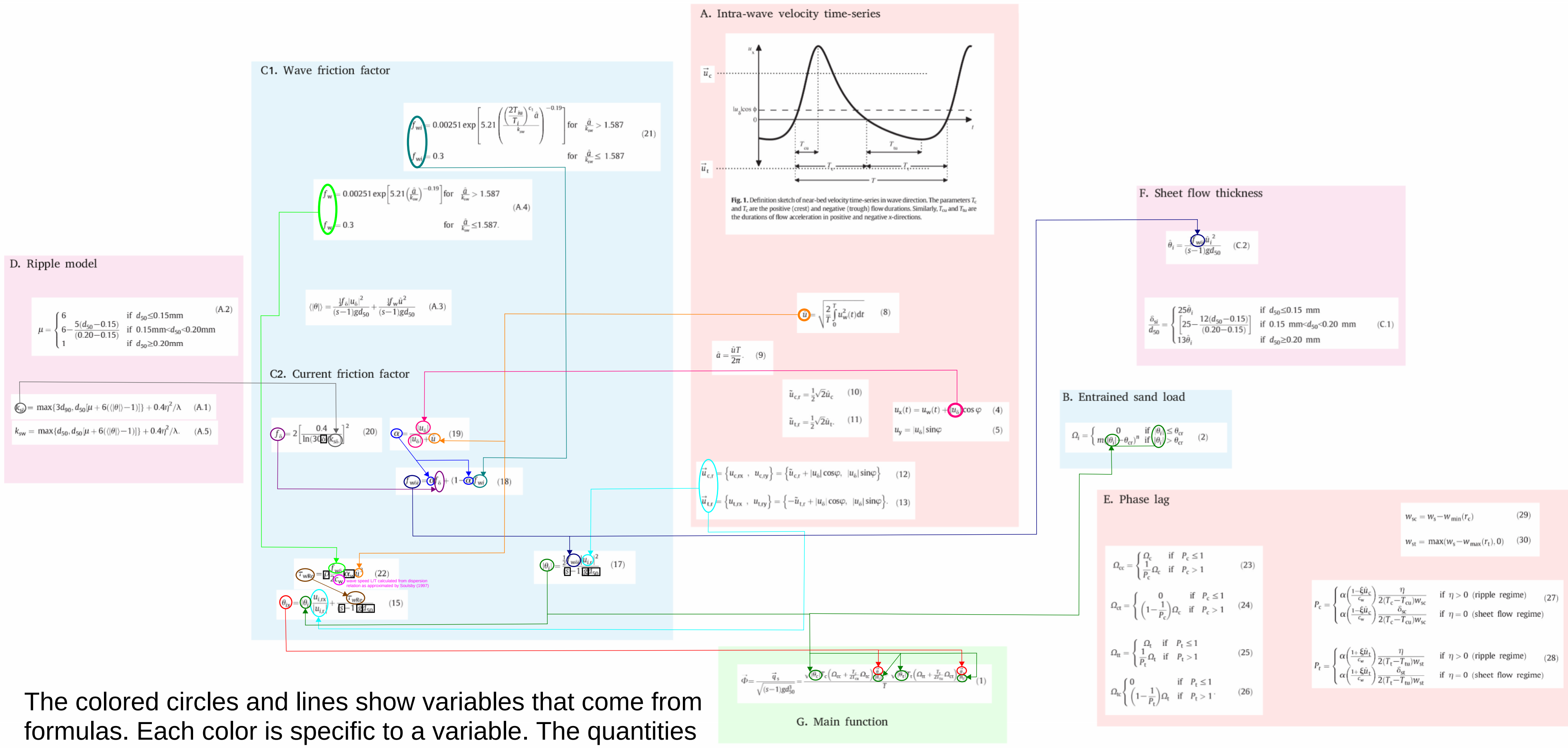

The colored circles and lines show variables that come from formulas. Each color is specific to a variable. The quantities identified by black rectangles are the following physical constants or tuning parameters:

s=(rho_s-rho)/rho according to section 2 of VDA13

g is the constant of gravity

d50 is the median sand grain size

delta=0.2 m is the wave boundary layer thickness assumed in the VDA13 model

alpha_w = 0.424 is a scale factor for the wave Reynolds stress