Linearization of the EIT forward promlem Js = SV Jacobian matrix of sensitivity coefficient) S recter of coefficient of unknown conductivity SV is the change of voltage # total measurements. through the field of we drive Current the Area Measuring electrodes pairs. Jis precalculable Jis a matrix of JSK = Jr P. Vu, Vv, dx the field at current projection DV = if J then JI = SV then I vector of coefficient of unknown Current distribution. JS=SV => get S => upolate best guess for conductivit distribution => solve forward problem => the predicted Valtage massurements => Compare that with real Valtage measurements => get 8U and upate: the Sagain Kepeatedly solve linear problem - Newtown's method