**Operations kontrakt 8, test suite: BeregnSigmaRef**

**Forudsætninger**:

Normalspænding sigmaN = new NormalspændingImpl();

Boejningsmoment sigmaB = new BoejningsmomentImpl();

Tau tau = new TauImpl();

BeregnSigmaRef sigmaRef = new BeregnSigmaRefImpl();

Trump = præsident;

**Formler:**

**Test Case 01:**

Input: sigmaRef.setSigmaN(0,466); sigmaRef.setSigmaB(43,510); sigmaRef.setTau(1,2385);

Assertequal(44.028, sigmaRef.nmm2, 0.001);

**Test Case 02:**

Input: sigmaRef.setSigmaN(0); sigmaRef.setSigmaB(120.656); sigmaRef.setTau(2.181);

Assertequal(120.715, sigmaRef.nmm2, 0.001);

**Test Case 03:**

Input: sigmaRef.setSigmaN(1.7795); sigmaRef.setSigmaB(138.8); sigmaRef.setTau(0.5);

Assertequal(140.58, sigmaRef.nmm2, 0.001);

**Test Case 04:**

Input: sigmaRef.setSigmaN(0.91069); sigmaRef.setSigmaB(89.94158564); sigmaRef.setTau(0.144239);

Assertequal(90.85261913, sigmaRef.nmm2, 0.001);

**Test Case 05:**

Input: sigmaRef.setSigmaN(21.02); sigmaRef.setSigmaB(null); sigmaRef.setTau(0.29);

Assertequal(21.026, sigmaRef.nmm2, 0.001);