stress[0] = dis[0]\*((psix\*psix+nu\*psiy\*psiy)\* 0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[1]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 1.0773502691896257+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[2]\*((psix\*psix+nu\*psiy\*psiy)\* -1.0773502691896257+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[3]\*((psix\*psix+nu\*psiy\*psiy)\* -0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[4]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[5]\*((psix\*psix+nu\*psiy\*psiy)\* -0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[6]\*((psix\*psix+nu\*psiy\*psiy)\* -0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[7]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.0773502691896258+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[8]\*((psix\*psix+nu\*psiy\*psiy)\* -0.0773502691896258+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[9]\*((psix\*psix+nu\*psiy\*psiy)\* 0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[10]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[11]\*((psix\*psix+nu\*psiy\*psiy)\* -0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129);

stress[1] = dis[0]\*((nu\*psix\*psix+psiy\*psiy)\* 0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[1]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 1.0773502691896257+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[2]\*((nu\*psix\*psix+psiy\*psiy)\* -1.0773502691896257+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[3]\*((nu\*psix\*psix+psiy\*psiy)\* -0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[4]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[5]\*((nu\*psix\*psix+psiy\*psiy)\* -0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[6]\*((nu\*psix\*psix+psiy\*psiy)\* -0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[7]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.0773502691896258+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[8]\*((nu\*psix\*psix+psiy\*psiy)\* -0.0773502691896258+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[9]\*((nu\*psix\*psix+psiy\*psiy)\* 0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[10]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[11]\*((nu\*psix\*psix+psiy\*psiy)\* -0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129);

stress[2] = dis[0]\*(((1-nu)\*psix\*psiy)\* 0.6830127018922193+((1-nu)\*etax\*etay)\* 0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[1]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 1.0773502691896257+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[2]\*(((1-nu)\*psix\*psiy)\* -1.0773502691896257+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[3]\*(((1-nu)\*psix\*psiy)\* -0.6830127018922193+((1-nu)\*etax\*etay)\* 0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[4]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[5]\*(((1-nu)\*psix\*psiy)\* -0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[6]\*(((1-nu)\*psix\*psiy)\* -0.1830127018922193+((1-nu)\*etax\*etay)\* -0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[7]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.0773502691896258+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[8]\*(((1-nu)\*psix\*psiy)\* -0.0773502691896258+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[9]\*(((1-nu)\*psix\*psiy)\* 0.1830127018922193+((1-nu)\*etax\*etay)\* -0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[10]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[11]\*(((1-nu)\*psix\*psiy)\* -0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129);

stress[3] = dis[0]\*((psix\*psix+nu\*psiy\*psiy)\* -0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[1]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[2]\*((psix\*psix+nu\*psiy\*psiy)\* 0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[3]\*((psix\*psix+nu\*psiy\*psiy)\* 0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[4]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 1.0773502691896257+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[5]\*((psix\*psix+nu\*psiy\*psiy)\* 1.0773502691896257+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[6]\*((psix\*psix+nu\*psiy\*psiy)\* 0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[7]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[8]\*((psix\*psix+nu\*psiy\*psiy)\* 0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[9]\*((psix\*psix+nu\*psiy\*psiy)\* -0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[10]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* 0.0773502691896258+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[11]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0773502691896258+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129);

stress[4] = dis[0]\*((nu\*psix\*psix+psiy\*psiy)\* -0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[1]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[2]\*((nu\*psix\*psix+psiy\*psiy)\* 0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[3]\*((nu\*psix\*psix+psiy\*psiy)\* 0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[4]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 1.0773502691896257+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[5]\*((nu\*psix\*psix+psiy\*psiy)\* 1.0773502691896257+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[6]\*((nu\*psix\*psix+psiy\*psiy)\* 0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[7]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[8]\*((nu\*psix\*psix+psiy\*psiy)\* 0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[9]\*((nu\*psix\*psix+psiy\*psiy)\* -0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[10]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* 0.0773502691896258+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[11]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0773502691896258+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129);

stress[5] = dis[0]\*(((1-nu)\*psix\*psiy)\* -0.6830127018922193+((1-nu)\*etax\*etay)\* 0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[1]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[2]\*(((1-nu)\*psix\*psiy)\* 0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[3]\*(((1-nu)\*psix\*psiy)\* 0.6830127018922193+((1-nu)\*etax\*etay)\* 0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[4]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 1.0773502691896257+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[5]\*(((1-nu)\*psix\*psiy)\* 1.0773502691896257+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[6]\*(((1-nu)\*psix\*psiy)\* 0.1830127018922193+((1-nu)\*etax\*etay)\* -0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[7]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[8]\*(((1-nu)\*psix\*psiy)\* 0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[9]\*(((1-nu)\*psix\*psiy)\* -0.1830127018922193+((1-nu)\*etax\*etay)\* -0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[10]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* 0.0773502691896258+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[11]\*(((1-nu)\*psix\*psiy)\* 0.0773502691896258+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129);

stress[6] = dis[0]\*((psix\*psix+nu\*psiy\*psiy)\* -0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[1]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.0773502691896258+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[2]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0773502691896258+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[3]\*((psix\*psix+nu\*psiy\*psiy)\* 0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[4]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[5]\*((psix\*psix+nu\*psiy\*psiy)\* 0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[6]\*((psix\*psix+nu\*psiy\*psiy)\* 0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[7]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -1.0773502691896257+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[8]\*((psix\*psix+nu\*psiy\*psiy)\* 1.0773502691896257+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[9]\*((psix\*psix+nu\*psiy\*psiy)\* -0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[10]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[11]\*((psix\*psix+nu\*psiy\*psiy)\* 0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129);

stress[7] = dis[0]\*((nu\*psix\*psix+psiy\*psiy)\* -0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[1]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.0773502691896258+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[2]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0773502691896258+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[3]\*((nu\*psix\*psix+psiy\*psiy)\* 0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[4]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[5]\*((nu\*psix\*psix+psiy\*psiy)\* 0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[6]\*((nu\*psix\*psix+psiy\*psiy)\* 0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[7]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -1.0773502691896257+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[8]\*((nu\*psix\*psix+psiy\*psiy)\* 1.0773502691896257+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[9]\*((nu\*psix\*psix+psiy\*psiy)\* -0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[10]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[11]\*((nu\*psix\*psix+psiy\*psiy)\* 0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129);

stress[8] = dis[0]\*(((1-nu)\*psix\*psiy)\* -0.1830127018922193+((1-nu)\*etax\*etay)\* -0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[1]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.0773502691896258+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[2]\*(((1-nu)\*psix\*psiy)\* 0.0773502691896258+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[3]\*(((1-nu)\*psix\*psiy)\* 0.1830127018922193+((1-nu)\*etax\*etay)\* -0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[4]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[5]\*(((1-nu)\*psix\*psiy)\* 0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[6]\*(((1-nu)\*psix\*psiy)\* 0.6830127018922193+((1-nu)\*etax\*etay)\* 0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[7]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -1.0773502691896257+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[8]\*(((1-nu)\*psix\*psiy)\* 1.0773502691896257+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[9]\*(((1-nu)\*psix\*psiy)\* -0.6830127018922193+((1-nu)\*etax\*etay)\* 0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[10]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[11]\*(((1-nu)\*psix\*psiy)\* 0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129);

stress[9] = dis[0]\*((psix\*psix+nu\*psiy\*psiy)\* 0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[1]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[2]\*((psix\*psix+nu\*psiy\*psiy)\* -0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[3]\*((psix\*psix+nu\*psiy\*psiy)\* -0.1830127018922193+(etax\*etax+nu\*etay\*etay)\* -0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[4]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.0773502691896258+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[5]\*((psix\*psix+nu\*psiy\*psiy)\* -0.0773502691896258+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[6]\*((psix\*psix+nu\*psiy\*psiy)\* -0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.1830127018922193+(psix\*etax+nu\*psiy\*etay)\* -0.5000000000000000)+dis[7]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -0.2886751345948129+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[8]\*((psix\*psix+nu\*psiy\*psiy)\* -0.2886751345948129+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* -0.2886751345948129)+dis[9]\*((psix\*psix+nu\*psiy\*psiy)\* 0.6830127018922193+(etax\*etax+nu\*etay\*etay)\* 0.6830127018922193+(psix\*etax+nu\*psiy\*etay)\* 0.5000000000000000)+dis[10]\*((psix\*psix+nu\*psiy\*psiy)\* 0.0000000000000000+(etax\*etax+nu\*etay\*etay)\* -1.0773502691896257+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129)+dis[11]\*((psix\*psix+nu\*psiy\*psiy)\* -1.0773502691896257+(etax\*etax+nu\*etay\*etay)\* 0.0000000000000000+(psix\*etax+nu\*psiy\*etay)\* 0.2886751345948129);

stress[10] = dis[0]\*((nu\*psix\*psix+psiy\*psiy)\* 0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[1]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[2]\*((nu\*psix\*psix+psiy\*psiy)\* -0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[3]\*((nu\*psix\*psix+psiy\*psiy)\* -0.1830127018922193+(nu\*etax\*etax+etay\*etay)\* -0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[4]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.0773502691896258+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[5]\*((nu\*psix\*psix+psiy\*psiy)\* -0.0773502691896258+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[6]\*((nu\*psix\*psix+psiy\*psiy)\* -0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.1830127018922193+(nu\*psix\*etax+psiy\*etay)\* -0.5000000000000000)+dis[7]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -0.2886751345948129+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[8]\*((nu\*psix\*psix+psiy\*psiy)\* -0.2886751345948129+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* -0.2886751345948129)+dis[9]\*((nu\*psix\*psix+psiy\*psiy)\* 0.6830127018922193+(nu\*etax\*etax+etay\*etay)\* 0.6830127018922193+(nu\*psix\*etax+psiy\*etay)\* 0.5000000000000000)+dis[10]\*((nu\*psix\*psix+psiy\*psiy)\* 0.0000000000000000+(nu\*etax\*etax+etay\*etay)\* -1.0773502691896257+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129)+dis[11]\*((nu\*psix\*psix+psiy\*psiy)\* -1.0773502691896257+(nu\*etax\*etax+etay\*etay)\* 0.0000000000000000+(nu\*psix\*etax+psiy\*etay)\* 0.2886751345948129);

stress[11] = dis[0]\*(((1-nu)\*psix\*psiy)\* 0.1830127018922193+((1-nu)\*etax\*etay)\* -0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[1]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[2]\*(((1-nu)\*psix\*psiy)\* -0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[3]\*(((1-nu)\*psix\*psiy)\* -0.1830127018922193+((1-nu)\*etax\*etay)\* -0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[4]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.0773502691896258+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[5]\*(((1-nu)\*psix\*psiy)\* -0.0773502691896258+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[6]\*(((1-nu)\*psix\*psiy)\* -0.6830127018922193+((1-nu)\*etax\*etay)\* 0.1830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.5000000000000000)+dis[7]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -0.2886751345948129+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[8]\*(((1-nu)\*psix\*psiy)\* -0.2886751345948129+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* -0.2886751345948129)+dis[9]\*(((1-nu)\*psix\*psiy)\* 0.6830127018922193+((1-nu)\*etax\*etay)\* 0.6830127018922193+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.5000000000000000)+dis[10]\*(((1-nu)\*psix\*psiy)\* 0.0000000000000000+((1-nu)\*etax\*etay)\* -1.0773502691896257+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129)+dis[11]\*(((1-nu)\*psix\*psiy)\* -1.0773502691896257+((1-nu)\*etax\*etay)\* 0.0000000000000000+(psix\*etax+psiy\*etay)\*(1-nu)\*0.5\* 0.2886751345948129);