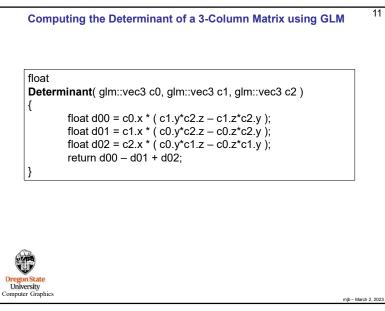
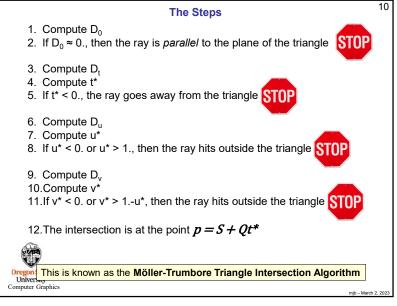


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Flashback: The Determinant of a 3x3 Matrix

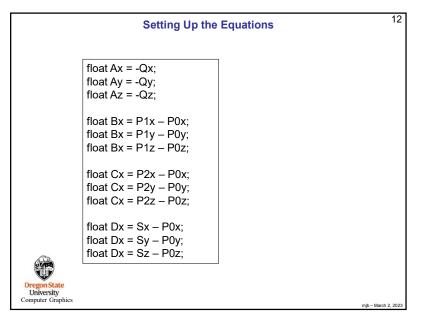
$$det \begin{bmatrix} M_{00} & M_{01} & M_{02} \\ M_{10} & M_{11} & M_{12} \\ M_{20} & M_{21} & M_{22} \end{bmatrix} = M_{00} * [M_{11} * M_{22} - M_{21} * M_{12}] \cdot M_{01} * [M_{10} * M_{22} - M_{20} * M_{12}] + M_{02} * [M_{10} * M_{21} - M_{20} * M_{11}]$$
For the provided equation is the provided equation of the provided equation is the provided e

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```
glm::vec3 colA = glm::vec3(Ax, Ay, Az);
glm::vec3 colB = glm::vec3(Bx, By, Bz);
glm::vec3 colC = glm::vec3(Cx, Cy, Cz);
glm::vec3 colD = glm::vec3(Dx, Dy, Dz);
float d0 = Determinant( colA, colB, colC);
float dt = Determinant( colA, colD, colC);
float du = Determinant( colA, colB, colC);
float dv = Determinant( colA, colB, colD);
float tstar = dt / d0;
float ustar = du / d0;
float vstar = dv / d0;
```