In[24]:=
```
b1 = List[(1 / λ) {0, 2 / Sqrt[3]}]
b2 = List[(1 / λ) {1, -1 / Sqrt[3]}];
b3 = List[(1 / λ) {1, 1 / Sqrt[3]}];
c = List[λ {x, y}];
u = List[{Cos[θ], Sin[θ]}]

f1 = b1.Transpose[u]
f2 = b2.Transpose[u];
f3 = b3.Transpose[u];

δ1 = b1.Transpose[c]
δ2 = b2.Transpose[c];
δ3 = b3.Transpose[c];
```

Out[24]= $\left\{\left\{0, \frac{2}{\sqrt{3}\ \lambda}\right\}\right\}$

Out[28]= $\{\{\text{Cos}[\theta], \text{Sin}[\theta]\}\}$

Out[29]= $\left\{\left\{\frac{2\ \text{Sin}[\theta]}{\sqrt{3}\ \lambda}\right\}\right\}$

Out[32]= $\left\{\left\{\frac{2\ y}{\sqrt{3}}\right\}\right\}$

In[35]:=
```
r = Cos[2 π * f1 * t + 2 π * δ1] + Cos[2 π * f2 * t + 2 π * δ2] + Cos[2 π * f3 * t + 2 π * δ3]
Integrate[r, {x, 0, 1}, {y, 0, √3}]
```

Out[35]= $\left\{\left\{\text{Cos}\left[\frac{4\ \pi\ y}{\sqrt{3}} + \frac{4\ \pi\ t\ \text{Sin}[\theta]}{\sqrt{3}\ \lambda}\right] + \text{Cos}\left[2\ \pi\ \left(x - \frac{y}{\sqrt{3}}\right) + 2\ \pi\ t\ \left(\frac{\text{Cos}[\theta]}{\lambda} - \frac{\text{Sin}[\theta]}{\sqrt{3}\ \lambda}\right)\right] + \text{Cos}\left[2\ \pi\ \left(x + \frac{y}{\sqrt{3}}\right) + 2\ \pi\ t\ \left(\frac{\text{Cos}[\theta]}{\lambda} + \frac{\text{Sin}[\theta]}{\sqrt{3}\ \lambda}\right)\right]\right\}\right\}$

Out[36]= $\{\{0\}\}$