Table
$$\left[\frac{n!}{i! (n-i)!}, \{i, \{0, 1, 2\}\}\right] * Table \left[\frac{(\mu/\mu\theta)^i}{(1+\mu/\mu\theta)^n}, \{i, \{0, 1, 2\}\}\right]$$

$$\left\{\frac{1.}{\left(1+\frac{\mu}{\mu_0}\right)^2}, \frac{1.2\,\mu}{\left(1+\frac{\mu}{\mu_0}\right)^2\,\mu_0}, \frac{0.3\,\mu^2}{\left(1+\frac{\mu}{\mu_0}\right)^2\,\mu_0^2}\right\}$$

Lsim = FullSimplify
$$\left[\frac{1}{\left(1 + \frac{\mu}{\mu \theta} \right)^2} + \frac{1.2 \, \mu}{\left(1 + \frac{\mu}{\mu \theta} \right)^2 \, \mu \theta} + \frac{0.3 \, \mu^2}{\left(1 + \frac{\mu}{\mu \theta} \right)^2 \, \mu \theta^2} \right]$$

$$\frac{0.3 \, \mu^2 + 1.2 \, \mu \, \mu 0 + 1. \, \mu 0^2}{\left(\mu + \mu 0\right)^2}$$

Table
$$\left[\frac{n!}{i!(n-i)!}, \{i, \{0, 1, 2\}\}\right] * Table \left[\frac{(\mu/\mu0)^i}{(1+\mu/\mu0)^n}, \{i, \{0, 1, 2\}\}\right]$$

$$\left\{0, \frac{0.08 \, \mu}{\left(1 + \frac{\mu}{\mu 0}\right)^2 \, \mu 0}, \frac{0.2 \, \mu^2}{\left(1 + \frac{\mu}{\mu 0}\right)^2 \, \mu 0^2}\right\}$$

$$\text{Ymsim} = \text{FullSimplify} \Big[\frac{0.08 \, \mu}{\left(1 + \frac{\mu}{\mu 0}\right)^2 \, \mu 0} + \frac{0.2 \, \mu^2}{\left(1 + \frac{\mu}{\mu 0}\right)^2 \, \mu 0^2} \Big]$$

$$\frac{\mu \, (0.2 \, \mu + 0.08 \, \mu 0)}{(\mu + \mu 0)^2}$$

$$(* Pl = L/(Ym+km) *)$$

Plmu2 = FullSimplify
$$\left[\left(\frac{0.3 \, \mu^2 + 1.2 \, \mu \, \mu 0 + 1 \, \mu 0^2}{\left(\mu + \mu 0 \right)^2} \right) / \left(0.5 + \frac{\mu \, \left(0.2 \, \mu + 0.08 \, \mu 0 \right)}{\left(\mu + \mu 0 \right)^2} \right) \right]$$

2. +
$$\frac{\mu \left(-1.57143 \,\mu - 1.37143 \,\mu 0\right)}{1. \,\mu^2 + 1.54286 \,\mu \,\mu 0 + 0.714286 \,\mu 0^2}$$