A
input: points $S_1$ from the lateral image ($dim1 \times dim3$ pixels)
points $S_2$ from the aligned oral image ($dim2 \times dim3$ pixels)
output: 3D expression array $P$

1. for $x$ from 1 to $dim1$
2. for $y$ from 1 to $dim2$
3. for $z$ from 1 to $dim3$
4. $P[x][y][z] = \max(S_1[x][z], S_2[y][z])$
5. return $P$

B
input: line $L$ drawn on the expression image ($dim1 \times dim3$ pixels)
output: 3D expression array $P$

1. for $x$ from 1 to $dim1$
2. for $y$ from 1 to $dim3$
3. for $z$ from 1 to $dim3$
4. [calculate distance $d$ from $P_{xyz}$ to $L$]
5. [calculate coordinates of points $S_1$ and $S_2$ located distance $d$ on both sides of $L$]
6. [calculate angles $\alpha$ between $S_2$, $L$, $P_{xyz}$ and $\beta$ between $S_1$, $L$, $P_{xyz}$]
7. $P[x][y][z] = (\alpha \times S_1 + \beta \times S_2) / \pi$
8. return $P$

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