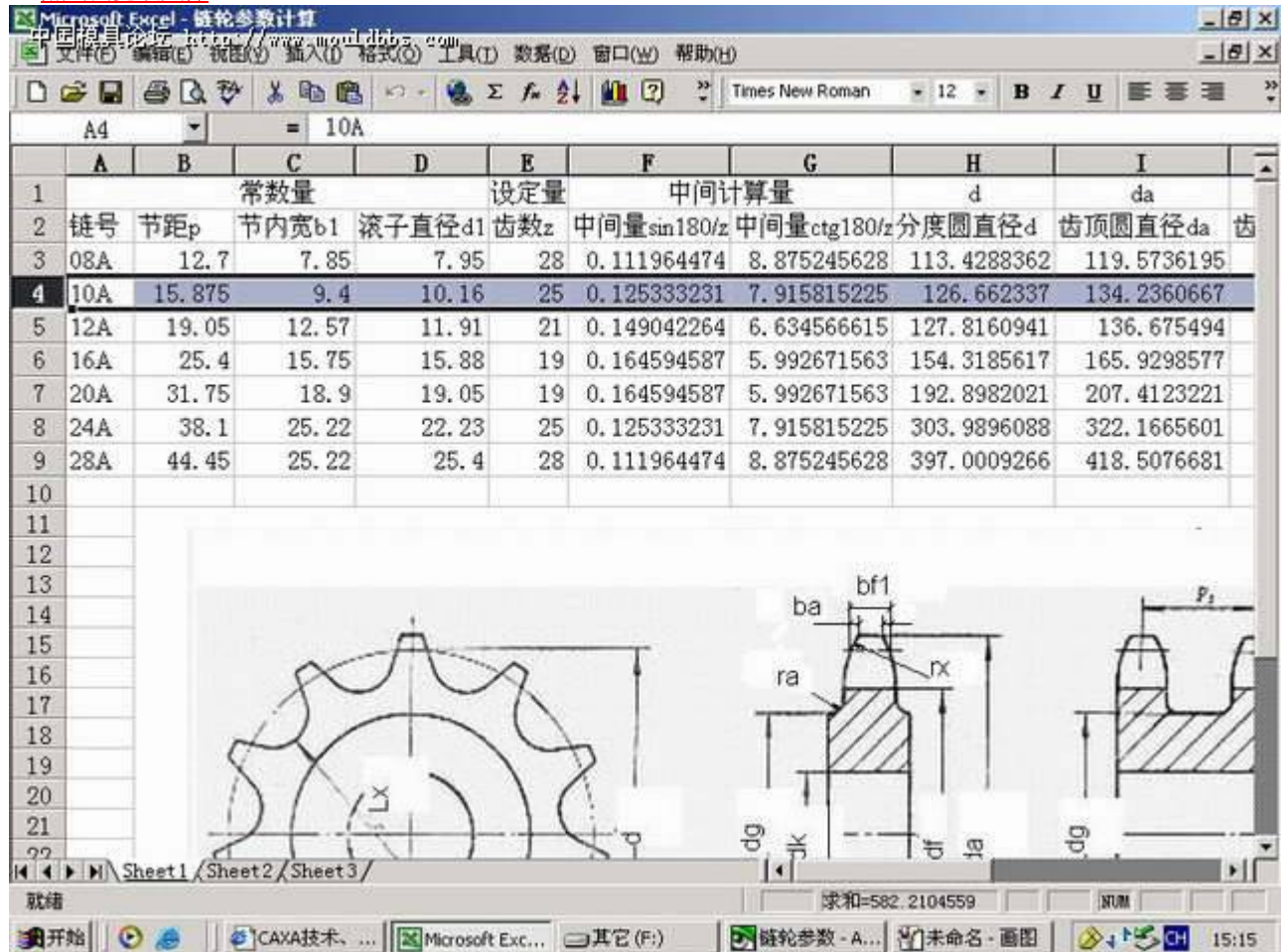


Sprocket parameters were simple and convenient method

Drawing sprockets with caxa addendum circle diameter to calculate the tooth root diameter, flange diameter, teeth width, chamfer width and chamfer radius and so on, a calculation is more cumbersome, I set up using Excel form computing formula, each as long as that gear pitch and number of teeth, in the form of the corresponding pitch bar will change the required number of teeth the number of carriage returns, and all addendum circle diameter, the tooth root diameter, flange diameter, tooth width , chamfer width, chamfer radius automatically generated, do not calculate.

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	A	B	C	D	E	F	G	H	I	
1	常数量			设定量		中间计算量		d	da	
2	链号	节距p	节内宽b1	滚子直径d1	齿数z	中间量sin180/z	中间量ctg180/z	分度圆直径d	齿顶圆直径da	齿
3	08A	12.7	7.85	7.95	28	0.111964474	8.875245628	113.4288362	119.5736195	
4	10A	15.875	9.4	10.16	25	0.125333231	7.915815225	126.662337	134.2360667	
5	12A	19.05	12.57	11.91	21	0.149042264	6.634566615	127.8160941	136.675494	
6	16A	25.4	15.75	15.88	19	0.164594587	5.992671563	154.3185617	165.9298577	
7	20A	31.75	18.9	19.05	19	0.164594587	5.992671563	192.8982021	207.4123221	
8	24A	38.1	25.22	22.23	25	0.125333231	7.915815225	303.9896088	322.1665601	
9	28A	44.45	25.22	25.4	28	0.111964474	8.875245628	397.0009266	418.5076681	