

**(a) Emissivity  $\varepsilon = 0.98$  (close to real value)**

$t = 120$ s		Defect no.								
		1	2	3	4	5	6	7	8	9
FC	$B = 5$	<b>13</b>	<b>13</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>12</b>
RIFC		<b>12</b>	<b>13</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>
FC	$B = 10$	<b>14</b>	<b>14</b>	<b>14</b>	15	<b>14</b>	15	15	15	15
RIFC		<b>14</b>	<b>14</b>	15	15	15	15	15	15	<b>14</b>
FC	$B = 15$	<b>14</b>	15	15	16	16	17	17	17	16
RIFC		15	15	17	16	16	18	17	17	16
FC	$B = 20$	16	16	16	17	17	17	18	17	16
RIFC		16	16	16	17	18	18	19	18	18

**(b) Emissivity  $\varepsilon = 0.50$  (far to real value)**

$t = 120$ s		Defect no.								
		1	2	3	4	5	6	7	8	9
FC	$B = 5$	<b>12</b>	<b>13</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
RIFC		<b>12</b>	<b>13</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>
FC	$B = 10$	<b>14</b>	<b>14</b>	<b>14</b>	15	<b>14</b>	15	15	15	<b>14</b>
RIFC		<b>14</b>	<b>14</b>	<b>14</b>	15	<b>15</b>	15	15	15	15
FC	$B = 15$	15	15	17	16	16	17	17	17	16
RIFC		15	17	15	16	16	18	17	17	16
FC	$B = 20$	16	16	16	16	19	17	18	17	16
RIFC		16	16	16	17	17	17	18	17	16